CS614 - Data Warehousing

CS614 - Data Warehousing

100% Correct Solve (Alhamdulilah)

BY Virtual Assistance Sonu Ilyas Mughal

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https://www.youtube.com/channel/UCjboEX65C_yN7as5di1OuIQ/playlists

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CS614 - Data Warehousing

CS614:Quiz No 01

Question # 1 of 10 (Start time: 12:26:00 AM, 22 January 2021)

_____ is known as state of being only one of its kind or being without an equal or parallel.

Select the correct option

- ○ Completeness
- ◉ Uniqueness
- ○ Accessibility
- Consistency

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Question # 2 of 10 (Start time: 12:26:28 AM, 22 January 2021)

One of the preconditions to decide about operations to be parallelized is that:

Select the correct option

- (●) Operations can be implemented independent of each other
- ( ) Output of one operation becomes input of other
- ( ) Operations share same memory location
- ( ) Operations share same namespace

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Question # 3 of 10 (Start time: 12:26:49 AM, 22 January 2021)

In context of joining tables, the join condition is specified in ____ clause

Select the correct option

- FROM
- SELECT
- WHERE
- GROUP BY

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Question # 4 of 10 (Start time: 12:27:13 AM, 22 January 2021)

_____ do not (typically) keep the index values in sorted order

Select the correct option

- Dense index
- Sparse index
- B-Tree index
- Hash based index

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Question # 5 of 10 (Start time: 12:27:37 AM, 22 January 2021)

In _____ index, the ith bit is set to "1" if the ith row of the base table has the value for the indexed column.

Select the correct option

- ○ Inverted index
- ◉ Bitmap index
- ○ Cluster index
- Join index

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Question # 6 of 10 (Start time: 12:27:58 AM, 22 January 2021)

Parallelism can be exploited, if there is:

Select the correct option

- Symmetric multi-processors (SMP)
- Sufficient I/O bandwidth
- Underutilized or intermittently used CPUs
- All of the given options

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Question # 7 of 10 (Start time: 12:28:23 AM, 22 January 2021)

_____ is the degree to which data accurately reflects the real-world object that the data represents.

Select the correct option

- (●) Intrinsic Data Quality
- ( ) Realistic Data Quality
- ( ) Strong Data Quality
- ( ) Weak Data Quality

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Question # 8 of 10 (Start time: 12:28:44 AM, 22 January 2021)

_____ is making all efforts to increase effectiveness and efficiency in meeting accepted customer expectations.

Select the correct option

- ○ Quality assurance
- ◉ Quality improvement
- ○ Quality Maintenance
- Quality Establishment

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Question # 9 of 10 (Start time: 12:29:05 AM, 22 January 2021)

"More resources means proportionally less time for given amount of data". The statement refers to:

Select the correct option

- ○ Scale-Up
- ◉ Speed-Up
- ○ Size-up
- ○ Over-utilized system

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Question # 10 of 10 (Start time: 12:29:28 AM, 22 January 2021)

Which of the following is NOT one of the parallel hardware architectures?

Select the correct option

- Symmetric Multi Processing
- Massively Parallel Processing
- Non-uniform Memory Access
- Shared Memory

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Question # 1 of 10 (Start time: 12:32:18 AM, 22 January 2021)

_____ is the extent to which data is regarded as true and credible.

Select the correct option

- (●) Believability
- ( ) Completeness
- ( ) Accessibility
- ( ) Consistency

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Question # 2 of 10 (Start time: 12:32:45 AM, 22 January 2021)

The degree to which values are present in the attributes that require them is known as _____.

Select the correct option

- [x] Completeness
- [ ] Uniqueness
- [ ] Accessibility
- [ ] Consistency

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Question # 3 of 10 (Start time: 12:33:05 AM, 22 January 2021)

In B-tree index, the lowest level index blocks are called leaf blocks, and these blocks contain:

Select the correct option

- ○ NULL value to make the leaf terminal node
- ◉ Every indexed data value and a corresponding ROWID
- ○ Every indexed data value and pointer to next level block
- Every indexed data value and pointer to root block

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Question # 4 of 10 (Start time: 12:33:26 AM, 22 January 2021)

The optimizer uses a hash join to join two tables if they are joined using an equijoin and

Select the correct option

- Outer table has less number of rows
- Inner table has less number of rows
- Cardinality of tables is equal
- Large amount of data needs to be joined

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Question # 5 of 10 (Start time: 12:33:47 AM, 22 January 2021)

As the number of processors increase, the speedup should also increase. Thus we should have linear speedup. Which of the following is NOT one of t

Select the correct option

○	Amdahl' Law
○	Startup
●	No Interference
	Skew

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Question # 6 of 10 (Start time: 12:34:11 AM, 22 January 2021)

Which of the following is not a Data Quality Validation Technique?

Select the correct option

- Referential Integrity
- Using Data Quality Rules
- Data Histograming
- Indexes

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Question # 7 of 10 (Start time: 12:34:36 AM, 22 January 2021)

"If resources increase in proportion to increase in data size, time is constant". The statement refers to:

Select the correct option

- [x] Scale-Up
- [ ] Speed-Up
- [ ] Size-up
- [ ] Over-utilized system

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Question # 8 of 10 (Start time: 12:34:59 AM, 22 January 2021)

In context of data parallelism, to get a speed-up of N with N partitions, it must be ensured that:

Select the correct option

- There are enough computing resources
- Query-coordinator is very fast as compared to query servers
- Work done in each partition almost same
- All of the given options

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Question # 9 of 10 (Start time: 12:35:22 AM, 22 January 2021)

If a task takes "T" time units to execute on a single data item, then execution of this task on "N" data items will take _____ time units.

Select the correct option

- [x] N*T
- [ ] N/T
- [ ] N+T
- [ ] N-T

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Question # 10 of 10 (Start time: 12:35:44 AM, 22 January 2021)

Assume a company with a multi-million row customer table i.e. n rows. Checking for Referential Integrity (RI), using a smart technique with some kind
_____time.

Select the correct option

- [x] O(log n)
- [ ] O(n)
- [ ] O(1)
- [ ] None of the given

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Question # 1 of 10 (Start time: 12:41:36 AM, 22 January 2021)

_____ lists each term in the collection only once and then shows a list of all the documents that contain the given term.

Select the correct option

- [x] Inverted index
- [ ] Bitmap index
- [ ] Cluster index
- [ ] Join index

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Question # 2 of 10 (Start time: 12:42:01 AM, 22 January 2021)

An optimized structure which is built primarily for retrieval, with update being only a secondary consideration is

Select the correct option

- OLTP
- OLAP
- DSS
- Inverted Index

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Question # 3 of 10 (Start time: 12:42:25 AM, 22 January 2021)

If a product meets formally defined "requirement specifications," yet fails to be a quality product from the customers' perspective, this means the requir

Select the correct option

- (●) Defective
- ( ) Unclear
- ( ) Unrefined
- ( ) Undefined

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Question # 4 of 10 (Start time: 12:42:57 AM, 22 January 2021)

_____ incorporates the concept of product quality, process control, quality assurance, and quality improvement.

Select the correct option

- (●) Total Quality Management
- ( ) Intrinsic Data Quality Management
- ( ) Realistic Data Quality Management
- Strong Data Quality Management

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Question # 5 of 10 (Start time: 12:43:23 AM, 22 January 2021)

Which is not a/an Data Quality Validation Technique?

Select the correct option

- [x] Consistency Integrity
- [ ] Referential Integrity
- [ ] Attribute domain
- [ ] Using Data Quality Rules

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Question # 6 of 10 (Start time: 12:43:45 AM, 22 January 2021)

_____ is the degree to which data accurately reflects the real-world object that the data represents.

Select the correct option

- (●) Intrinsic Data Quality
- ( ) Realistic Data Quality
- ( ) Strong Data Quality
- ( ) Weak Data Quality

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Question # 7 of 10 (Start time: 12:44:07 AM, 22 January 2021)

Which of the following is not an "Orr's Law of Data Quality"?

Select the correct option

- "Data that is not used cannot be correct!"
- "Data quality is a function of its use, not its collection!"
- "Data will be no better than its most stringent use!"
- "Data duplication can be harmful for the organization!"

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Question # 8 of 10 (Start time: 12:44:29 AM, 22 January 2021)

One of the main reasons for the failure of DWH deployments is _____.

Select the correct option

- [x] Data quality
- [ ] Data integrity
- [ ] Data duplication
- [ ] Data anomaly

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Question # 9 of 10 (Start time: 12:44:54 AM, 22 January 2021)

Most DWH implementations today do not use _____ enforced by the database, but as TQM methods improve overall data quality and datab

Select the correct option

- ○ Consistency Integrity
- ◉ Referential Integrity
- ○ Attribute domain
- ○ Using Data Quality Rules

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Question # 10 of 10 (Start time: 12:45:12 AM, 22 January 2021)

If a task takes "T" time units to execute on a single data item, then execution of this task on "N" data items will take _____ time units.

Select the correct option

- [x] N*T
- [ ] N/T
- [ ] N+T
- [ ] N-T

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Question # 1 of 10 (Start time: 12:50:11 AM, 22 January 2021)

_____ is the degree to which data accurately reflects the real-world object that the data represents.

Select the correct option

- (●) Intrinsic Data Quality
- ( ) Realistic Data Quality
- ( ) Strong Data Quality
- ( ) Weak Data Quality

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Question # 2 of 10 (Start time: 12:50:36 AM, 22 January 2021)

_____ is the extent to which data is regarded as true and credible.

Select the correct option

- (●) Believability
- ( ) Completeness
- ( ) Accessibility
- ( ) Consistency

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Question # 3 of 10 (Start time: 12:50:58 AM, 22 January 2021)

_____ refers to "Parallel execution of single data operation across multiple partitions of data"

Select the correct option

- ○ Hardware parallelism
- ○ Software parallelism
- ● Data parallelism
- Operational parallelism

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Question # 4 of 10 (Start time: 12:51:20 AM, 22 January 2021)

The degree to which values are present in the attributes that require them is known as _____.

Select the correct option

- [x] Completeness
- [ ] Uniqueness
- [ ] Accessibility
- [ ] Consistency

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Question # 5 of 10 (Start time: 12:51:39 AM, 22 January 2021)

The optimizer uses a hash join to join two tables if they are joined using an equijoin and

Select the correct option

- Outer table has less number of rows
- Inner table has less number of rows
- Cardinality of tables is equal
- Large amount of data needs to be joined

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Question # 6 of 10 (Start time: 12:52:00 AM, 22 January 2021)

Which of the following is NOT one of the parallel hardware architectures?

Select the correct option

- Symmetric Multi Processing
- Massively Parallel Processing
- Non-uniform Memory Access
- Shared Memory

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Question # 7 of 10 (Start time: 12:52:27 AM, 22 January 2021)

In context of bitmap index, the length of the bit vector is:

Select the correct option

- ○ The possible number of domain values in corresponding field (column)
- ◉ The number of records in the base table
- ○ The possible number of bitmap tables formed for corresponding field (column)
- None of the given options

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Question # 8 of 10 (Start time: 12:52:50 AM, 22 January 2021)

One of the main reasons for the failure of DWH deployments is _____.

Select the correct option

- [x] Data quality
- [ ] Data integrity
- [ ] Data duplication
- [ ] Data anomaly

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Question # 9 of 10 (Start time: 12:53:12 AM, 22 January 2021)

_____ is known as state of being only one of its kind or being without an equal or parallel.

Select the correct option

- ○ Completeness
- ◉ Uniqueness
- ○ Accessibility
- Consistency

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Question # 10 of 10 (Start time: 12:53:34 AM, 22 January 2021)

Which is not a/an characteristics of data quality?

Select the correct option

- (●) Reliability
- ( ) Uniqueness
- ( ) Accessibility
- ( ) Consistency

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Qu

Question # 1 of 10 (Start time: 01:00:18 AM, 22 January 2021)

The _____ operator is conservative in that it assigns to the dimension an aggregate value no higher than the value of its weakest data quality indi

Select the correct option

- (●) Min
- ( ) Max
- ( ) Min and Max
- ( ) None of given

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Qu

Question # 2 of 10 (Start time: 01:00:45 AM, 22 January 2021)

_____ lists each term in the collection only once and then shows a list of all the documents that contain the given term.

Select the correct option

- (●) Inverted index
- ( ) Bitmap index
- ( ) Cluster index
- Join index

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Qu

Question # 3 of 10 (Start time: 01:01:14 AM, 22 January 2021)

If a task takes "T" time units to execute on a single data item, then execution of this task on "N" data items will take _____ time units.

Select the correct option

- (●) N*T
- ( ) N/T
- ( ) N+T
- ( ) N-T

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Question # 4 of 10 (Start time: 01:01:40 AM, 22 January 2021)

A _____ index, if fits in the memory, costs only one disk I/O access to locate a record given a key.

Select the correct option

- (●) Dense
- ( ) Sparse
- ( ) B-Tree
- ( ) Hash

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Question # 5 of 10 (Start time: 01:02:02 AM, 22 January 2021)

In nested-loop join case, if there are 'M' rows in outer table and 'N' rows in inner table, time complexity is

Select the correct option

- ○ O (M log N)
- ○ O (log MN)
- ● O (MN)
- ○ O (M + N)

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Question # 6 of 10 (Start time: 01:02:27 AM, 22 January 2021)

One of the main reasons for the failure of DWH deployments is _____.

Select the correct option

- [x] Data quality
- [ ] Data integrity
- [ ] Data duplication
- [ ] Data anomaly

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CS614:Quiz No 01

Question # 7 of 10 (Start time: 01:02:46 AM, 22 January 2021)

In context of bitmap index, the length of the bit vector is:

Select the correct option

- ○ The possible number of domain values in corresponding field (column)
- ◉ The number of records in the base table
- ○ The possible number of bitmap tables formed for corresponding field (column)
- None of the given options

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Qu

Question # 8 of 10 (Start time: 01:03:09 AM, 22 January 2021)

Assume a company with a multi-million row customer table i.e. n rows. Checking for Referential Integrity (RI), using a smart technique with some kind
_____time.

Select the correct option

- [x] O(log n)
- [ ] O(n)
- [ ] O(1)
- [ ] None of the given

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CS614:Quiz No 01

Question # 9 of 10 (Start time: 01:03:48 AM, 22 January 2021)

_____ is making all efforts to increase effectiveness and efficiency in meeting accepted customer expectations.

Select the correct option

- ○ Quality assurance
- ◉ Quality improvement
- ○ Quality Maintenance
- ○ Quality Establishment

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Question # 10 of 10 (Start time: 01:04:13 AM, 22 January 2021)

The _____ operator proves useful in more complex metrics applicable to the dimensions of timeliness and accessibility.

Select the correct option

- (●) Max
- ( ) Min
- ( ) Min and Max
- None of given

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Question # 1 of 10 (Start time: 01:12:56 AM, 22 January 2021)

The exact formula for Speed-up is:

Select the correct option

- (Time on Serial Processor) / (Time on parallel processors)
- (Time on Serial Processor) * (Time on parallel processors)
- (Time on Serial Processor) + (Time on parallel processors)
- (Time on Serial Processor) - (Time on parallel processors)

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Question # 2 of 10 (Start time: 01:13:23 AM, 22 January 2021)

Parallelism can be exploited, if there is:

Select the correct option

- Symmetric multi-processors (SMP)
- Sufficient I/O bandwidth
- Underutilized or intermittently used CPUs
- All of the given options

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Question # 3 of 10 (Start time: 01:13:46 AM, 22 January 2021)

An optimized structure which is built primarily for retrieval, with update being only a secondary consideration is

Select the correct option

- ○ OLTP
- ○ OLAP
- ○ DSS
- ● Inverted Index

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CS614:Quiz No 01

Question # 4 of 10 (Start time: 01:14:10 AM, 22 January 2021)

A join is identified by multiple tables in the ____ clause

Select the correct option

- [x] FROM
- [ ] SELECT
- [ ] GROUP BY
- [ ] SORT BY

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Question # 5 of 10 (Start time: 01:14:33 AM, 22 January 2021)

One of the main reasons for the failure of DWH deployments is _____.

Select the correct option

- [x] Data quality
- [ ] Data integrity
- [ ] Data duplication
- [ ] Data anomaly

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Qu

Question # 6 of 10 (Start time: 01:14:56 AM, 22 January 2021)

The _____ operator is conservative in that it assigns to the dimension an aggregate value no higher than the value of its weakest data quality indi

Select the correct option

- [x] Min
- [ ] Max
- [ ] Min and Max
- [ ] None of given

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Question # 7 of 10 (Start time: 01:15:31 AM, 22 January 2021)

_____ index uses even less space than _____ index, but the block has to be searched, even for unsuccessful searches.

Select the correct option

- Dense, sparse
- Sparse, dense
- Dense, inverted
- Sparse, inverted

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Question # 8 of 10 (Start time: 01:15:51 AM, 22 January 2021)

Which of the following is NOT one of the parallel hardware architectures?

Select the correct option

- Symmetric Multi Processing
- Massively Parallel Processing
- Non-uniform Memory Access
- Shared Memory

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Question # 9 of 10 (Start time: 01:16:11 AM, 22 January 2021)

_____ in a database or data warehouse has no actual value; it only has potential value.

Select the correct option

- (●) Data
- ( ) Entity
- ( ) Flat tables
- ( ) Data marts

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Question # 10 of 10 (Start time: 01:16:30 AM, 22 January 2021)

_____ index stores first value in each block in the sequential file and a pointer to the block.

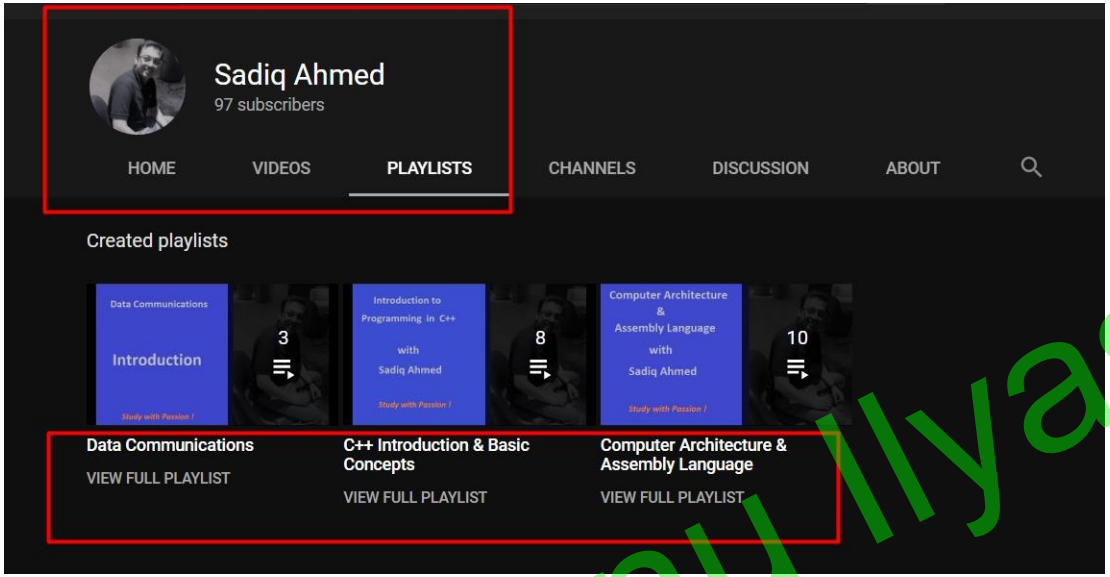
Select the correct option

- ○ Dense
- ◉ Sparse
- ○ B-Tree
- Hash

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VIRTUAL ASSISTANCE
WITH SONU MUGHAL
ONLINE ACADEMY FOR ALL SUBJECTS AND PROJECTS OF VU

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Subjects Enrolment
1) Lecture live on Zoom
2) Written Lectures (pdf)
3) Recorded Videos
4) Topic wise Notes
5) Short QA Solved
6) MCQs Solved
7) Solved Past and Current paper
8) Solved Graded Activities
(Assignment Quiz GDB)

Activity
Detailed
Information

Project Enrolment Complete training with
Live classes on Zoom
1) SRS (Software Requirements Specification)
2) DD (Design Document)
3) Test phase
a) Test phase viva (Live Classes for viva preparation)
4) Final Deliverable
a) Final coding
b) Final presentation
c) Final report

First See Our Result

VIRTUAL ASSISTANCE
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Subjects Enrolment
1) Lecture live on Zoom
2) Written Lectures (pdf)
3) Recorded Videos
4) Topic wise Notes
5) Short QA Solved
6) MCQs Solved
7) Solved Past and Current paper
8) Solved Graded Activities
(Assignment Quiz GDB)

Activity
Detailed
Information

Project Enrolment Complete training with
Live classes on Zoom
1) SRS (Software Requirements Specification)
2) DD (Design Document)
3) Test phase
a) Test phase viva (Live Classes for viva preparation)
4) Final Deliverable
a) Final coding
b) Final presentation
c) Final report

First See Our Result

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