CONTACT FOR SOLVING QUIZ

Quiz 01 Solved 100 % Confirm

by Sonu Ilyas Mughal

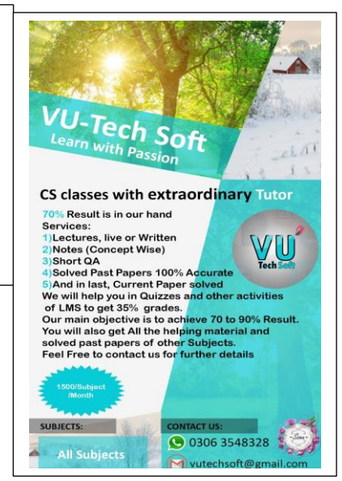
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https://www.youtube.com/playlist?list=PLtCZKI9LoftVmx-c_Y1_PsBPAYyF83saG

CS401 ,CS201,CS601 SHORT LECTURE AVAILBLE ON YOUTUBE

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MC170403938: MEHWISH RIAZ

CS502:Quiz No 01

Question # 1 of 10 (Start time: 10:54:42 PM, 21 July 2020)

Merge sort is a/an _____ and _____ sorting algorithm.

Select the correct option

- Not in-place, not stable one
- In-place, not stable one
- In-place, stable one
- Not in-place, stable one

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Question # 2 of 10 (Start time: 10:55:27 PM, 21 July 2020)

Identify the TRUE statement.

Select the correct option

○	The Knapsack problem does not belong to the domain of optimization problems.
●	The Knapsack problem belongs to the domain of optimization problems.
○	The Knapsack problem can not be solved by using dynamic programming.
○	The Knapsack problem is optimally solved by using brute force algorithm.

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CS502:Quiz No 01

Question # 3 of 10 (Start time: 10:55:50 PM, 21 July 2020)

Memoization is a part of Dynamic Programming strategy.

Select the correct option

- (●) True
- ( ) False

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CS502:Quiz No 01

Question # 4 of 10 (Start time: 10:56:09 PM, 21 July 2020)

Chain matrix multiplication problem can be solved through ---------- strategy.

Select the correct option

- Dynamic programming
- Greedy
- Divide and conquer
- Sorting



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MC170403938: MEHWISH RIAZ

Time Left 82 sec(s)

CS502:Quiz No 01

Quiz Start Time: 10:54 PM, 21 July 20

Question # 5 of 10 (Start time: 10:56:30 PM, 21 July 2020) **Total Marks**

In Bucket sort, if there are duplicates then each bin can be replaced by a

Select the correct option

- Stack
- Linked list
- Hash table
- Heap

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Time Left 83 sec(s)

CS502:Quiz No 01

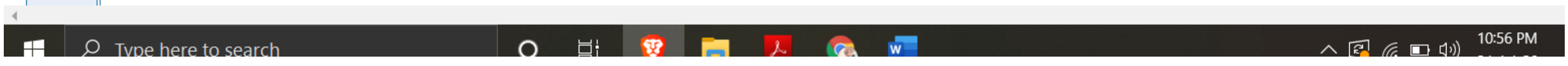
Quiz Start Time: 10:54 PM, 21 July 202

Question # 6 of 10 (Start time: 10:56:48 PM, 21 July 2020) Total Marks:

Radix sort is not a non-comparative integer sorting algorithm.

Select the correct option

- True
- False



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Question # 7 of 10 (Start time: 10:57:06 PM, 21 July 2020)

We do not need to mathematically prove that for comparison-based sorting algorithms always takes Omega nlog(n) time.

Select the correct option

- (●) True
- ( ) False

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Time Left 75 sec(s)

CS502:Quiz No 01

Quiz Start Time: 10:54 PM, 21 July 2020

Question # 8 of 10 (Start time: 10:57:50 PM, 21 July 2020) **Total Marks: 1**

Counting sort assumes that the numbers to be sorted are in the range _____.

Select the correct option

- k to n where n is large
- 1 to k where k is small
- k to n where k is small
- k to n where n is small

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CS502:Quiz No 01

Question # 9 of 10 (Start time: 10:58:16 PM, 21 July 2020)

In generating Fibonacci Sequence, we can avoid unnecessary repetitions by _____ process.

Select the correct option

- ○ Tokenization
- ◉ Memoization
- ○ Randomization
- ○ Memorization

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MC170403938: MEHWISH RIAZ

Time Left 77 sec(s)

CS502:Quiz No 01

Quiz Start Time: 10:54 PM, 21 July 2020

Question # 10 of 10 (Start time: 10:59:27 PM, 21 July 2020) **Total Marks: 1**

Fibonacci Sequence was named on _____, a famous mathematician in 12th Century.

Select the correct option

- Fred Brooks
- Grady Booch
- (●) Leonardo Pisano
- Edgar F. Codd

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MC120204218: Sajid Hussain

CS502:Quiz No 01

Question # 1 of 10 (Start time: 07:03:38 PM, 21 July 2020)

In Dynamic Programming, our approach is to _____.

Select the correct option

- ○ Develop the solution in a top-down fashion
- ○ Express the problem non-recursively
- ◉ Build the solution in a bottom-up fashion
- ○ Input several sub-problems simultaneously

MC120204218: Sajid Hussain

CS502:Quiz No 01

Question # 2 of 10 (Start time: 07:04:47 PM, 21 July 2020)

We can use the optimal substructure property to devise a _____ formulation of the edit distance problem.

Select the correct option

- Selective
- Optimum
- Iterative
- Recursive

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MC120204218: Sajid Hussain

CS502:Quiz No 01

Question # 3 of 10 (Start time: 07:05:08 PM, 21 July 2020)

Dynamic Programming strategy is useful when sub-problems are independent.

Select the correct option

- ○ True
- ● False

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CS502:Quiz No 01 Quiz

Question # 4 of 10 (Start time: 07:06:21 PM, 21 July 2020)

In Knapsack Problem, the goal is to put items in the knapsack such that the value of the items is _____ subject to weight limit of knapsack.

Select the correct option

- Minimized
- Decreased
- Maximized
- None of the given options

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CS502:Quiz No 01

Question # 5 of 10 (Start time: 07:06:43 PM, 21 July 2020)

If there are Θ (n^2) entries in edit distance matrix then each entry E (i, j) takes _____ time to compute.

Select the correct option

- ○ Θ (n)
- ○ Θ (n^2)
- ◉ Θ (1)
- ○ Θ (n log n)

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CS502:Quiz No 01

Question # 6 of 10 (Start time: 07:07:44 PM, 21 July 2020)

In Fibonacci Sequence, unnecessary repetitions do not exist at all.

Select the correct option

- ○ True
- ◉ False

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CS502:Quiz No 01

Question # 7 of 10 (Start time: 07:09:02 PM, 21 July 2020)

The only way to convert a string of i characters into the empty string is with i deletions, represented as _____.

Select the correct option

- E(0, j) = j
- E(i, j) = I
- E(0, i) = j
- E(i, 0) = i

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MC120204218: Sajid Hussain

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Question # 8 of 10 (Start time: 07:09:54 PM, 21 July 2020)

If Matrix-A has dimensions "3x2" and Matrix-B has dimensions "2x3", then multiplication of Matrix-A and Matrix-B will result a new Matrix-C having dimensions

Select the correct option

- 3x2
- 2x3
- 2x2
- 3x3

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Question # 9 of 10 (Start time: 07:10:32 PM, 21 July 2020)

In _____ Knapsack Problem, limitation is that an item can either be put in the bag or not. Fractional items are not allowed.

Select the correct option

- 0
- 1
- 0/1
- Fractional

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CS502:Quiz No 01 Qui

Question # 1 of 10 (Start time: 07:16:12 PM, 21 July 2020)

In Dynamic Programming approach, we do not store the solution to each sub-problem in case if it reappears.

Select the correct option

- (●) True
- ( ) False

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CS502:Quiz No 01

Question # 2 of 10 (Start time: 07:17:31 PM, 21 July 2020)

The only way to convert an empty string into a string of j characters is by doing j insertions, represented as _____.

Select the correct option

- E(i, j) = I
- E(i, 0) = i
- E(0, j) = j
- E(1, j) = j

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CS502:Quiz No 01

Question # 3 of 10 (Start time: 07:17:54 PM, 21 July 2020)

Heap sort is a/an _____ and _____ sorting algorithm.

Select the correct option

- Not in-place, not stable one
- In-place, stable one
- In-place, not stable one
- Not in-place, stable one

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Question # 4 of 10 (Start time: 07:19:21 PM, 21 July 2020)

It is not a Fibonacci Sequence.
1,1,1,2,3,5,8,13,21,34,55,.....

Select the correct option

- True
- False

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CS502:Quiz No 01

Question # 4 of 10 (Start time: 07:19:21 PM, 21 July 2020)

It is not a Fibonacci Sequence.
1,1,1,2,3,5,8,13,21,34,55,.....

Select the correct option

- True
- False

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CS502:Quiz No 01

Question # 5 of 10 (Start time: 07:20:45 PM, 21 July 2020)

If matrix A of dimension 2 x 4 is multiply with matrix B of dimension 4 x 3, then the dimension of resultant matrix is:

Select the correct option

- 2 x 4
- 4 x 3
- 3 x 4
- 2 x 3

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CS502:Quiz No 01

Question # 6 of 10 (Start time: 07:21:41 PM, 21 July 2020)

Matrix multiplication is a(n) ---------- operation.

Select the correct option

- ○ Commutative
- ● Associative
- ○ Neither commutative nor associative
- ○ Commutative but not associative

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CS502:Quiz No 01

Question # 7 of 10 (Start time: 07:22:54 PM, 21 July 2020)

An in-place sorting algorithm is one that _____ uses additional array for storage.

Select the correct option

- Always
- Permanently
- Does not
- Sometime

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CS502:Quiz No 01

Question # 8 of 10 (Start time: 07:23:28 PM, 21 July 2020)

In Dynamic Programming, our approach is to _____.

Select the correct option

- Develop the solution in a top-down fashion
- Express the problem non-recursively
- Build the solution in a bottom-up fashion
- Input several sub-problems simultaneously

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CONTACT FOR SOLVING QUIZ

CS502:Quiz No 01

Question # 9 of 10 (Start time: 07:23:47 PM, 21 July 2020)

In Bucket sort, if there are duplicates then each bin can be replaced by a

Select the correct option

- Stack
- Linked list
- Hash table
- Heap

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CS502:Quiz No 01 **Quiz**

Question # 10 of 10 (Start time: 07:24:26 PM, 21 July 2020)

The only way to convert a string of i characters into the empty string is with i deletions, represented as _____.

Select the correct option

- E(0, j) = j
- E(i, j) = I
- E(0, i) = j
- E(i, 0) = i

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CONTACT FOR SOLVING QUIZ

CS502:Quiz No 01

Question # 1 of 10 (Start time: 10:03:10 PM, 21 July 2020)

An in-place sorting algorithm is one that _____ uses additional array for storage.

Select the correct option

- Always
- Permanently
- Does not
- Sometime

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BC180400670: ARFAN AKBAR

CS502:Quiz No 01

Question # 2 of 10 (Start time: 10:03:48 PM, 21 July 2020)

The only way to convert a string of i characters into the empty string is with i deletions, represented as _____.

Select the correct option

- E(0, j) = j
- E(i, j) = I
- E(0, i) = j
- E(i, 0) = i

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BC180400670: ARFAN AKBAR

CS502:Quiz No 01

Question # 3 of 10 (Start time: 10:04:04 PM, 21 July 2020)

Selection sort is not an in-place sorting algorithm.

Select the correct option

- ○ True
- ◉ False

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CS502:Quiz No 01

Question # 5 of 10 (Start time: 10:06:40 PM, 21 July 2020)

Memoization is a part of Dynamic Programming strategy.

Select the correct option

- (●) True
- ( ) False

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BC180400670: ARFAN AKBAR

CS502:Quiz No 01

Question # 6 of 10 (Start time: 10:07:02 PM, 21 July 2020)

In Knapsack Problem, the goal is to put items in the knapsack such that the value of the items is _____ subject to weight limit of knapsack.

Select the correct option

- ○ Minimized
- ○ Decreased
- ◉ Maximized
- ○ None of the given options

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BC180400670: ARFAN AKBAR

CS502:Quiz No 01

Question # 7 of 10 (Start time: 10:07:36 PM, 21 July 2020)

When matrix A of 5 x 3 is multiply with matrix B of 3 x 4 then the number of multiplication required is:

Select the correct option

- 15
- 12
- 36
- 60

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BC180400670: ARFAN AKBAR

CS502:Quiz No 01

Question # 8 of 10 (Start time: 10:07:58 PM, 21 July 2020)

Identify the TRUE statement.

Select the correct option

- ○ The Knapsack problem does not belong to the domain of optimization problems.
- ◉ The Knapsack problem belongs to the domain of optimization problems.
- ○ The Knapsack problem can not be solved by using dynamic programming.
- ○ The Knapsack problem is optimally solved by using brute force algorithm.

BC180400070: ARFAN AKBAR

CS502:Quiz No 01

Question # 9 of 10 (Start time: 10:08:32 PM, 21 July 2020)

Dynamic Programming approach is usually useful in solving optimization problems.

Select the correct option

- (●) True
- ( ) False

BC180400670: ARFAN AKBAR

Time Left 81 sec(s)

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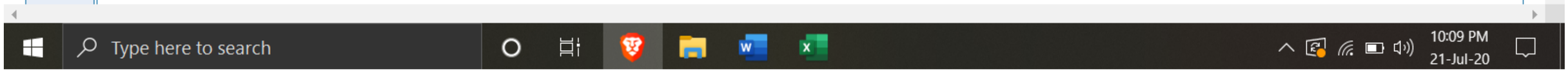
Quiz Start Time: 10:03 PM, 21 July 2020

Question # 10 of 10 (Start time: 10:08:51 PM, 21 July 2020) **Total Marks: 1**

Insertion sort is an in-place sorting algorithm.

Select the correct option

- True
- False



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