

Algorithm Analysis and Design Concepts

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Started on	Friday, 20 March 2020, 9:48 PM
State	Finished
Completed on	Friday, 20 March 2020, 9:51 PM
Time taken	3 mins 18 secs
Marks	4.00/5.00
Grade	80.00 out of 100.00
Feedback	Congratulations!! You have passed by securing more than 80%

Question 1

Correct
Mark 1.00
out of 1.00

Flag question

Which of the following data structures are indexed structures?

Select one:

- ☒ Linear arrays ✓
- ☐ Tree
- ☐ Linked lists
- ☐ None of these options

Your answer is correct.

The correct answer is: Linear arrays

Question 2

Correct
Mark 1.00
out of 1.00

Flag question

Rearrange the below algorithm for finding the Maximum of Three Numbers.

Input: Three numbers a, b, and c

Output: x, the largest Number

✓ procedure max(a, b, c)

✓ x := a

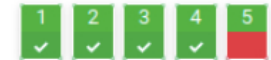
✓ if b>x then

✓ x := b

✓ if c>x then

✓ x := c

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✓ return(x)

✓ end max

Your answer is correct.

Question 3

Correct

Mark 1.00
out of 1.00

🚩 Flag
question

Consider the following code.
`int number[] = new int[10];`

After execution of this statement which of the following are true:

- i. `number[0]` is undefined
- ii. `number[10]` is 0
- iii. `number[4]` is null
- iv. `number.length` is 10

Select one:

- ☐ i and ii only
- ☒ iv only ✓
- ☐ ii and iii only
- ☐ i and iv only

Your answer is correct.

The correct answer is: iv only

Question 4

Correct

Mark 1.00
out of 1.00

🚩 Flag
question

Predict the output:

```
public static void Main(String[] args) {  
    int[] arr;  
    arr = new int[5];  
    arr[4] = 40;  
    Console.WriteLine(arr[2]);  
    Console.WriteLine(" " + arr[4]);  
}
```

Select one:

- ☐ 40 junk

- ☐ junk 40
- ☒ 0 40 ✓
- ☐ Compilation error

Your answer is correct.

The correct answer is: 0 40

Question 5

Incorrect

Mark 0.00
out of 1.00

🚩 Flag
question

Predict the output of following Program:

```
class Test {  
    protected int x, y;  
}  
  
public class MainClass {  
    public static void main(String[] args) {  
        Test t = new Test();  
        Console.WriteLine(t.x + " " + t.y);  
    }  
}
```

Select one:

- ☐ None of these options
- ☒ Compilation error ✗
- ☐ Throws runtime exception
- ☐ 0 0

Your answer is incorrect.

The correct answer is: 0 0

[Finish review](#)



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