



Department of Computer Science

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OOP Quiz: 01

Question: 01

Write a program that will take an array of odd numbers. Pass any odd numbers randomly and display the three largest numbers.

Source Code:

```
import java.util.Scanner;

public class OopLabQuiz_01 {
    public static void main(String args[]) {
        Scanner input = new Scanner(System.in);
        int arr[] = new int[10];
        int max_3[] = new int[3];
        max_3[0] = arr[0];
        for(int i = 0; i < arr.length; i++) {
            System.out.print("Enter the odd number of the array at index: " + i + " >>");
            arr[i] = input.nextInt();
            if(arr[i] > max_3[0])
                max_3[0] = arr[i];
        }
        max_3[1] = 0;
        for(int i = 0; i < arr.length; i++) {
            if(arr[i] == max_3[0]) {
```

```
        continue;
    }
    if(arr[i] > max_3[1])
        max_3[1] = arr[i];
    }
    max_3[2] = 0;
    for(int i = 0; i < arr.length; i++) {
        if(arr[i] == max_3[0] || arr[i] == max_3[1]) {
            continue;
        }
        if(arr[i] > max_3[2])
            max_3[2] = arr[i];
    }
    System.out.print("The three odd largest numbers are: ");

    for(int i = 0; i < max_3.length; ++i) {
        System.out.print(max_3[i] + " ");
    }
}
}
```

OUTPUT:

```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Version 10.0.22631.2861]
(c) Microsoft Corporation. All rights reserved.

D:\Code Playground\Java>java OopLabQuiz_01.class
Error: Could not find or load main class OopLabQuiz_01.class
Caused by: java.lang.ClassNotFoundException: OopLabQuiz_01.class

D:\Code Playground\Java>java OopLabQuiz_01.java
Enter the odd number of the array at index: 0 >> 1
Enter the odd number of the array at index: 1 >> 3
Enter the odd number of the array at index: 2 >> 5
Enter the odd number of the array at index: 3 >> 7
Enter the odd number of the array at index: 4 >> 9
Enter the odd number of the array at index: 5 >> 11
Enter the odd number of the array at index: 6 >> 13
Enter the odd number of the array at index: 7 >> 15
Enter the odd number of the array at index: 8 >> 17
Enter the odd number of the array at index: 9 >> 19
The three odd largest numbers are: 19 17 15
D:\Code Playground\Java>
```

The End