

Started on	Saturday, 10 December 2022, 11:15 AM
State	Finished
Completed on	Saturday, 10 December 2022, 11:25 AM
Time taken	10 mins
Grade	5.50 out of 10.00 (55%)

Question 1

Correct

Mark 2.00 out of 2.00

What will be the output of following Code?

```
import java.util.Iterator;
import java.util.*;
public class Test {
    public static void main(String[] args) {
        ArrayList<Integer> numbers = new ArrayList<Integer>();
        numbers.add(1);
        for(int i=0;i<5;i++){
            if((i&1)==1){
                numbers.add(i);
            }
        }
        Integer ans = 3;
        for (Iterator<?> i = numbers.iterator(); i.hasNext(); ) {
            ans = ans ^ (Integer)i.next();
        }
        System.out.println(ans);
    }
}
```

- ☐ a. 1
- ☒ b. 0
- ☐ c. 3
- ☐ d. 2



Your answer is correct.

The correct answer is:

0

Question 2

Correct

Mark 2.00 out of 2.00

Find the output of the following code.

```
import java.util.*;
public class Test {
    public static void main(String[] args) {
        ArrayList<Double> lst = new ArrayList<Double>();
        int n=9;
        int cnt=0;
        for(int i=2;i<n;i++){
            lst.add(Math.pow((double)i-cnt,(double)i-1));
            cnt+=1;
        }
        int ans=0;
        for(int i=0;i<lst.size();i++){
            ans+=lst.get(i);
        }
        System.out.println(ans);
    }
}
```

- ☒ a. 254
- ☐ b. 126
- ☐ c. 256
- ☐ d. 128



Your answer is correct.

The correct answer is:

254

Question 3

Incorrect

Mark -0.50 out of 2.00

What will be the output of the following code?

```
class Template<T, U>{
    T obj1;
    U obj2;
    Template(T obj1, U obj2)
    {
        this.obj1 = obj1;
        this.obj2 = obj2;
    }
    public void compute()
    {
        String s1 = obj2.toString();
        String s2 = obj1.toString();
        if(check(s2.charAt(0)+s1.charAt(0)+s2.charAt(1))){
            System.out.println("Computed given Answer");
        }
        else{
            System.out.println("Researched given Answer");
        }
    }
    private boolean check(int n) {
        double val = Math.sqrt(n);
        return ((val - Math.floor(val)) == 0);
    }
}

public class Test{
    public static void main (String[] args)
    {
        Template <String, Integer> obj =
            new Template<String, Integer>("26", 5);
        obj.compute();
    } }
```

- ☐ a. Compile Time error
- ☐ b. Computed given Answer
- ☒ c. Run time error
- ☐ d. Researched given Answer



Your answer is incorrect.

The correct answer is: Researched given Answer

Question 4

Correct

Mark 2.00 out of 2.00

Find the output of the following code.

```
import java.util.*;
public class Test {
    private static int cnt_oops = 0;
    private static int cnt_lab = 0;
    public static int call_oops(){
        return Test.cnt_oops++;
    }
    public static int call_lab(){
        return Test.cnt_lab++;
    }
    public static void main(String[] args) {
        List<Class<?>> classList = new ArrayList<Class<?>>();
        classList.add(Integer.class);
        classList.add(String.class);
        classList.add(Double.class);
        classList.add(String.class);
        classList.add(String.class);
        classList.add(String.class);
        classList.add(Double.class);
        classList.add(Integer.class);
        int ans=0;
        for(int i=0;i<classList.size()/2;i++){
            if(classList.get(i)!=classList.get(classList.size()-i-1)){
                ans += call_oops();
            }
            ans += call_lab();
        }
        System.out.println(ans);
    }
}
```

- ☒ a. 7
- ☐ b. 8
- ☐ c. Compile time error
- ☐ d. 0



Your answer is correct.

The correct answer is:

7

Question 5

Not answered

Marked out of 2.00

Find the output of the following code.

```
public class Test {  
    public static void main(String[] args) {  
        int[] list = {3,6,9,12};  
        int index = -3;  
        for(int i=0;i<4;i++){  
            try{  
                index+=3;  
                list[index]=3*(i+1);  
            }  
            catch(Exception e){  
                index = index%(list.length);  
            }  
        }  
        int value = 0;  
        for(int i=0;i<4;i++){  
            value = value ^ list[i];  
        }  
        System.out.println(value);  
    }  
}
```

- ☐ a. 0
- ☐ b. 3
- ☐ c. 10
- ☐ d. Run Time Error

Your answer is incorrect.

The correct answer is: 10

[◀ Lab 11 Quiz](#)

Jump to...

[Lab 1 - Question 1 and 2 ▶](#)