

<b>Started on</b>	Saturday, 10 September 2022, 12:10 PM
<b>State</b>	Finished
<b>Completed on</b>	Saturday, 10 September 2022, 12:20 PM
<b>Time taken</b>	9 mins 50 secs
<b>Grade</b>	4.50 out of 8.00 (56%)

Question **1**

Correct

Mark 2.00 out of 2.00

What will be the output of the following code?

```
public static void main(String[] args){  
    byte x = 64;  
    int i;  
    byte y;  
    i = x << 2;  
    y = (byte) (x << 2);  
    System.out.print(i + " " + y);  
}
```

- ☒ a. 256 0
- ☐ b. 0 256
- ☐ c. 64 0
- ☐ d. 0 64



The correct answer is:  
256 0

Question **2**

Correct

Mark 2.00 out of 2.00

What will be the output of **arr[1]** after the execution of the program

```
public static void main(String[] args) {  
    int[] arr = {0,2,4,1,3};  
    for (int i=0; i < arr.length;i++) {  
        arr[i] = arr[(arr[i] + 3) % arr.length];  
    }  
    System.out.println(arr[1]);  
}
```

- ☐ a. 4
- ☐ b. 2
- ☒ c. 1
- ☐ d. 0
- ☐ e. 3



The correct answer is:

1

Question 3

Incorrect

Mark 0.00 out of 2.00

What will be the output of following code?

```
public class Quiz {
    public static int total (int v) {
        int count = 0;
        while(v>0)
        {
            count += v&1;
            v >>= 1;
        }
        return count ;
    }
    public static void main(String[] args) {
        int x = 0;
        int i = 5;
        for (; i>0;i--) {
            x = x + total(i);
        }
        System.out.println(x);
    }
}
```

- ☐ a. 10
- ☐ b. 1
- ☐ c. 6
- ☒ d. 5
- ☐ e. 7



The correct answer is:

7

#### Question 4

Correct

Mark 1.00 out of 1.00

Identify the correct statements for static variables.

1. They cannot be modified once set
2. They are present in the memory only within a Class.
3. They are copied into every object.

- ☐ a. Only 3
- ☒ b. 2 and 3
- ☐ c. 1, 2 and 3
- ☐ d. 1 and 2



The correct answers are:

1 and 2,

2 and 3,

Only 3,

1, 2 and 3

#### Question 5

Incorrect

Mark -0.50 out of 1.00

What will be the output of the following code?

```
public static void main(String[] args){
    int[] x = {120, 200, 016};
    for(int i = 0; i < x.length; i++){
        System.out.print(x[i] + " ");
    }
}
```

- ☐ a. 80 128 14
- ☐ b. 120 200 14
- ☒ c. 120 200 16
- ☐ d. 120 200 016



The correct answer is:

120 200 14

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