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2024_28_III_OOPS Using Java Lab

REC_2028_OOPS using Java_Week 3_MCQ

Attempt : 1
Total Mark : 15
Marks Obtained : 14

Section 1 : MCQ

1. What will be the output of the following code?

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

Answer

0 0

2. What will be the output of the following code?

```java
class Q {
    public static void main(String[] args) {
        int[][] arr = {
            {5, 6, 7},
            {8, 9, 10}
        };
        System.out.println(arr[0][2]);
    }
}
```

Answer

7

Status : Correct   *Marks : 1/1*

3. What will be the output of the following code?

```java
class M {
    public static void main(String[] args) {
        int[][] arr = {
            {1, 2},
            {3, 4},
            {5, 6}
        };

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

Answer

1 3 5

Status : Correct   *Marks : 1/1*

4. What will be the output of the following code?

```java
class Q {
    public static void main(String[] args) {
        int[][] a = {
            {1, 2},
            {3, 4}
        };
        int sum = 0;
        for (int i = 0; i < a.length; i++)
            for (int j = 0; j < a[0].length; j++)
                sum += a[i][j];
        System.out.println(sum);
    }
}
```

Answer

10

Status : Correct   *Marks : 1/1*

5. What will be the output of the following code?

```java
class Q {
    public static void main(String[] args) {
        int[][] a = {
            {1, 2},
            {3, 4}
        };
        for (int i = 0; i < a.length; i++) {
            for (int j = 0; j < a[0].length; j++) {
                System.out.print(a[i][j] + " ");
            }
        }
    }
}
```

Answer

1 2 3 4

6.   What will be the output of the following code?

```
class Sample {
    public static void main(String[] args) {
        int[] a = {1, 2, 3};
        int product = 1;
        for (int i = 0; i < a.length; i++) {
            product *= a[i];
        }
        System.out.println(product);
    }
}
```

Answer

6

Status : Correct   *Marks : 1/1*

7.   What will be the output of the following code?

```
class Q {
    public static void main(String[] args) {
        int[] nums = {3, 6, 7, 2, 8};
        int sum = 0;
        for (int i = 0; i < nums.length; i++) {
            if (nums[i] % 2 == 0)
                sum += nums[i];
        }
        System.out.println(sum);
    }
}
```

Answer

16

Status : Correct   *Marks : 1/1*

8. What will be the output of the following code?

```java
class Q {
    public static void main(String[] args) {
        int[] a = {1, 2, 3, 4};
        for (int i = 0; i < a.length / 2; i++) {
            int temp = a[i];
            a[i] = a[a.length - 1 - i];
            a[a.length - 1 - i] = temp;
        }
        System.out.println(a[0]);
    }
}
```

Answer

3

Status : Wrong   *Marks : 0/1*

9. What will be the output of the following code?

```java
class Sample {
    public static void main(String[] args) {
        int[][] matrix = {
        {1, 2, 3},
        {4, 5, 6}
    };
        System.out.println(matrix[1][2]);
    }
}
```

Answer

6

Status : Correct   *Marks : 1/1*

10. What will be the output of the given code?

```java
public class Main {
```

```java
public static void main(String[] args) {
    int[] arr = {1, 2, 3, 4, 5};
    int n = arr.length;
    int temp = arr[0];

    for (int i = 0; i < n - 1; i++) {
        arr[i] = arr[i + 1];
    }
    arr[n - 1] = temp;

    for (int num : arr) {
        System.out.print(num + " ");
    }
}
}
```

Answer

2 3 4 5 1

Status : Correct   *Marks : 1/1*

11.   What will be the output of the following code?

```java
class Sample {
    public static void main(String[] args) {
        int[][] data = {
            {1, 2},
            {3, 4}
        };
        int sum = 0;

        for (int[] row : data) {
            for (int val : row) {
                sum += val;
            }
        }

        System.out.println("Sum = " + sum);
    }
}
```

}

Answer

Sum = 10

Status : Correct   *Marks : 1/1*

12. What will be the output of the following code?

```
class ReverseArray {
    public static void main(String[] args) {
        int[] a = {1, 2, 3, 4};
        for (int i = 0; i < a.length / 2; i++) {
            int temp = a[i];
            a[i] = a[a.length - 1 - i];
            a[a.length - 1 - i] = temp;
        }
        for (int i : a)
            System.out.print(i + " ");
    }
}
```

Answer

4 3 2 1

Status : Correct   *Marks : 1/1*

13. What will be the output of the following code?

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

Answer

3

Status : Correct   *Marks : 1/1*

14. What will be the output of the following code?

```java
public class Test {
    public static void main(String[] args) {
        int[] x = {4, 8, 12};
        int result = x[0] * x[2];
        System.out.println(result);
    }
}
```

Answer

48

Status : Correct   *Marks : 1/1*

15. What will be the output of the following code?

```java
class Q {
    public static void main(String[] args) {
        int[] nums = {4, 2, 9, 5};
        int max = nums[0];
        for (int i = 1; i < nums.length; i++) {
            if (nums[i] > max)
                max = nums[i];
        }
        System.out.println(max);
    }
}
```

Answer

9

Status : Correct   *Marks : 1/1*