

**Mock Test**

**Coding Questions**

1. **Write a java program to insert new element in a given index?**

**Sample Input :**

arr []= 8 4 1 6 9 2

element = 10

index = 5

**Sample Output-1:**

8 4 1 6 9 10 2

1. **Write a java program to display leader elements from given array?**

**Sample input:**

4 6 64 7 12 5 9

**Sample Output:**

9 12 64

1. **Write a java program to print the permutations of that string ?**

**Sample Input :**

**ABC**

**Output :**

**ABC**

**ACB**

**BAC**

**BCA**

**CAB**

**CBA**

1. **Write a java program to print factorial of a number by using recursion ?**

**Sample Input :**

5

**Sample Output :**

120

1. **Write a java program to print the each word count present in the string ?**

**Sample Input : String s = ”if you want to believe, you can believe ”;**

**Sample Output : if = 1**

**You =2**

**Want =1**

**to=1**

**belive=2**

**can=1**

**Hint :**

First you need to remove the special characters and extra characters from the string which r not words .

1. **Write a java program to print the below pattern ?**

@@@@

& & & &

@@@@

& & & &

1. **Explain polymorphism with definition and its types with one program each ?**

**(Method overloading , method overriding )**

1. **Explain Encapsulation with definition and one program?**
2. **Write a program to convert array to linked list in java?**
3. **Write a query to create a table and inserting values into the table and , retrieve the data present in the table ?**

Here you have to write three queries.

**ALL THE BEST**