# Technical Assessment For Java

**1) Write a Java Program for Fibonacci series.**

# public class Fibnoacci {

# public static void main(String[] args) {

# int num1=0;

# int num2=1,num3;

# System.out.print(num1+","+num2+",");

# for(int i=2;i<10;i++){

# num3=num1+num2;

# System.out.print(num3+",");

# num1=num2;

# num2=num3;

# }

# }

# }

**2) Write a program to generate the following output in java?  
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**public class Pattern {**

**public static void main(String[] args) {**

**int n=5;**

**for(int i=0;i<n;i++){**

**for(int j=0;j<=i;j++){**

**System.out.print("\*");**

**}**

**System.out.println();**

**}**

**}**

**}**

**3) Write a program that detects the duplicate characters in a string.**

**public class DetectDuplicate {**

**public static void main(String[] args) {**

**String word = "I Love java";**

**boolean b = false;**

**int count = 0;**

**word = word.replace(" ", "");**

**for (int i = 0; i < word.length(); i++) {**

**for (int j = i + 1; j < word.length(); j++) {**

**if (word.charAt(i) == word.charAt(j)) {**

**count++;**

**b = true;**

**break;**

**}**

**}**

**}**

**if (b) {**

**System.out.println(count +" Dublicate Character in the String");**

**} else {**

**System.out.println("No duplicate Character in the String...");**

**}**

**}**

**}**

**Technical Assessment For Sql**

**1) Write a SQL query to Rename the column name.**

**alter table emp rename column Tamil to subject;**

**2)** **Write a SQL query to find duplicate records**

**select \* from emp group by name,subject having (count(name)>1) and (count(subject)>1);**

**3)** **How to fetch 3rd highest salary using Rank  
Function**

**select \* from(select name,salary, dense\_rank() over(order by salary desc) rd from emp) where rd=3;**