**SQL Test:**

Table Name: **employee**

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

* ALTER TABLE employee RENAME COLUMN job to position;

**2.** How do we use the DISTINCT statement? What are its uses?

* SELECT DISTINCT(position) from employee; //job column is renamed as position.

**3.** Print maximum salary for a particular department?

* SELECT MAX(salary) from employee;

**JAVA Assessment :**

**1.**Write the program that detects duplicate characters in a string ?

Program :

public class Duplicate\_Char {

public static void main(String[] args) {

String s="codoid assessment test";

char[] s1=s.toCharArray();

System.*out*.println("The duplicate charecters are : ");

for(int i=0;i<s1.length;i++){

for(int j=i+1;j<s1.length;j++){

if(s1[i]==s1[j])

System.*out*.print(s1[j]);

}

}

}

}

**2.**Write the program for following output?

Output:

\*

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\*\*\*

\*\*\*\*

\*\*\*\*\*

Program :

public class Pattern {

public static void main(String[] args) {

int i,j,n=5;

for(i=1;i<=n;i++){

for(j=1;j<=i;j++){

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

}

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

}

}

}

**3.**How to remove special charecters from a string?

Program :

public class Pattern {

public static void main(String[] args) {

String s="@#codoid %$assesment \*@!";

System.*out*.println("Your string is : "+s);

s=s.replaceAll("[^a-zA-Z0-9]","");

System.*out*.print("After replaced : ");

System.*out*.println(s);

}

}