3.Write a Java Program which illustrates how to get column properties from ResultSet using ResultSetMetaData?

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.ResultSetMetaData;

import java.sql.SQLException;

import java.sql.Statement;

public class Main {

public static void main(String a[]){

Connection con = null;

Statement st = null;

ResultSet rs = null;

try {

Class.forName("oracle.jdbc.driver.OracleDriver");

con = DriverManager.

getConnection("jdbc:oracle:thin:@<hostname>:<port num>:<DB name>"

,"user","password");

st = con.createStatement();

rs = st.executeQuery("select \* from emp");

ResultSetMetaData rsmd = rs.getMetaData();

int columnCount = rsmd.getColumnCount();

for(int i=0;i<=columnCount;i++){

System.out.println(rsmd.getColumnName(i));

System.out.println(rsmd.getColumnType(i));

}

} catch (ClassNotFoundException e) {

// TODO Auto-generated catch block

e.printStackTrace();

} catch (SQLException e) {

// TODO Auto-generated catch block

e.printStackTrace();

} finally{

try{

if(rs != null) rs.close();

if(st != null) st.close();

if(con != null) con.close();

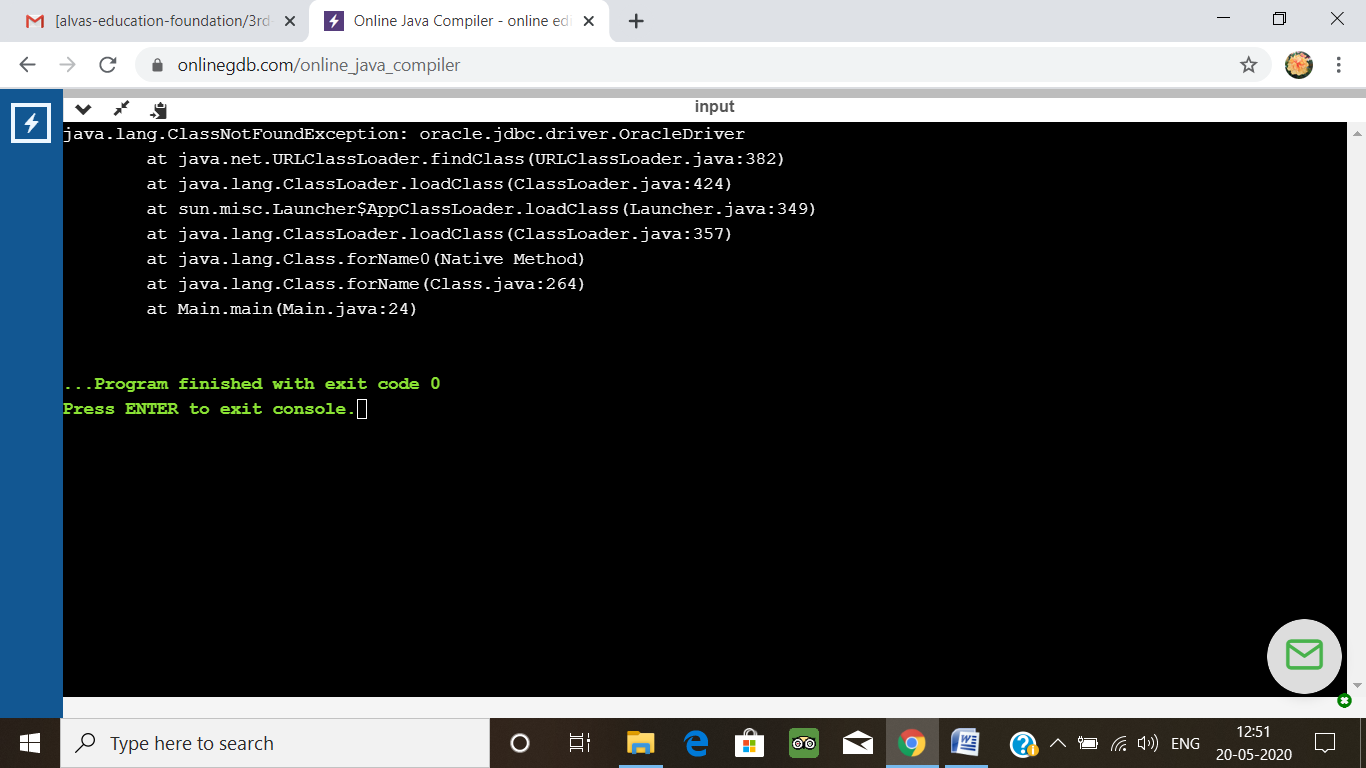
} catch(Exception ex){}

}

}

}

**Output:**

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