|  |  |
| --- | --- |
| Slip No 1 | |
| Q1 | . |

Write a Java program to display all the alphabets between ‘A’ to ‘Z’ after every 2 seconds

# Public class Slip26\_1 extends Thread

{

c

har c;

p

ublic void run()

{

f

or(c = 'A'; c<='Z';c++)

{

Sys

tem.out.println(""+c);

try

{

T

hread.sleep(3000);

}

c

atch(Exception e)

{

.printStackTrace();

e

}

}

}

public static void main(String args[])

{

S

lip26\_1 t = new Slip26\_1();

t

.start()

;

}

Slip Nos 3

1. Write a JSP program to display the details of Patient (PNo, PName, Address, age, disease) in tabular form on browser.

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<body>

<%@ page import="java.sql.\*;" %>

<%! inthno;

String hname,address; %>

<% try{

Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");

Connection

cn=DriverManager.getConnection("jdbc:odbc:hospital\_da ta","","");

Statement st=cn.createStatement();

ResultSetrs=st.executeQuery("select \* from Hospital");

%>

<table border="1" width="40%"> <tr> <td>Hospital No</td> <td>Name</td> <td>Address</td> </tr> <% while(rs.next()) { %> <tr><td><%= rs.getInt("hno") %></td> <td><%= rs.getString("hname") %></td> <td><%= rs.getString("address") %> </tr> <%

} cn.close(); }catch(Exception e)

{

out.println(e);

}

%>

</body>

</html>

Slip Nos - 4

Q1) Write a Java program using Runnable interface to blink Text on the frame

|  |
| --- |
| import java.awt.\*;  import java.awt.event.\*;    class Slip8\_1 extends Frame implements Runnable  {  Thread t; Label l1; int f;  Slip8\_1()  {  t=new Thread(this); t.start(); setLayout(null); l1=new Label("Hello JAVA");  l1.setBounds(100,100,100,40); add(l1);  setSize(300,300); setVisible(true);  f=0;  }  public void run()  {  try { if(f==0)  {  t.sleep(200); l1.setText(""); f=1;  }  if(f==1)  {  t.sleep(200); l1.setText("Hello Java"); f=0;  }  }  catch(Exception e)  {  System.out.println(e);  } run();  } |
| public static void main(String a[])  {  new Slip8\_1(); }  } |

SLip Nops-8

1) Write a java program to define a thread for printing text on output screen for ‘n’ number of times. Create 3 threads and run them. Pass the text ‘n’ parameters to the thread constructor. Example: i. First thread prints “COVID19” 10 times. ii. Second thread prints “LOCKDOWN2020” 20 times iii. Third thread prints “VACCINATED2021” 30 times

|  |
| --- |
|  |

public class A1 extends Thread { String str; int n;

A1(String str, int n) { this.str = str; this.n = n;

}

public void run() { try {

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

System.out.println(getName()

+ " : " + str);

}

} catch (Exception e) {

e.printStackTrace();

} }

public static void main(String[] args) {

A1 t1 = new A1("COVID19", 10);

A1 t2 = new A1("LOCKDOWN2020", 20);

A1 t3 = new A1("VACCINATED", 30);

t1.start(); t2.start(); t3.start();

}

}

Slip NOs -11

2.Write a Java program to display information about

all columns in the DONAR table using ResultSetMetaData.

import java.sql.\*; import java.io.\*;

public class ResultSetMetaData

{ public static void main(String[] args) throws Exception {

Statement stmt;

Class.forName("org.postgresql.Driver");

Connection conn =

DriverManager.getConnection("jdbc:postgresql://localhost/stud","postgre s","password");

stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery("Select \* from student"); java.sql.ResultSetMetaData rsmd = rs.getMetaData(); int noOfColumns = rsmd.getColumnCount();

System.out.println("Number of columns = " + noOfColumns); for(int i=1; i<=noOfColumns; i++)

{

System.out.println("Column No : " + i);

System.out.println("Column Name : " + rsmd.getColumnName(i));

System.out.println("Column Type : " + rsmd.getColumnTypeName(i));

System.out.println("Column display size : " + rsmd.getColumnDisplaySize(i));

} conn.close();

} }

**Slip Nos -12**

1) Write a JSP program to check whether given number is Perfect or not. (Use Include directive)

Index.html file:

<!DOCTYPE html>

<html>

<head>

<title>PERFECT NUMBER</title>

</head>

<body>

<form action="perfect.jsp" method="post">

Enter Number :<input type="text" name="num">

<input type="submit" value="Submit" name="s1">

</form>

</body>

</html>

Perfect.jsp file:

<%@ page import="java.util.\*" %>

<%

if(request.getParameter("s1")!=null)

{

Integer num,a,i,sum = 0;

num = Integer.parseInt(request.getParameter("num")); a = num;

for(i=1;i<a;i++)

{

if(a%i==0)

{

sum=sum + i;

}

}

if(sum==a)

{

out.println(+num+ "is a perfect number");

}

else

{

out.println(+num+ "is not a perfect number");

}

}

%>

**Slip Nos 13**

Q1) Write a Java program to display information about the database and list all the tables in the database. (Use DatabaseMetaData).

import java.sql.\*; import java.io.\*; public class DBMetaData

{ public static void main(String[] args) throws Exception

{

ResultSet rs = null;

Class.forName("org.postgresql.Driver");

Connection conn =

DriverManager.getConnection("jdbc:postgresql://localhost/dbtry","postgr es","redhat");

DatabaseMetaData dbmd = conn.getMetaData(); System.out.println("Database Product name = " + dbmd.getDatabaseProductName());

System.out.println("User name = " + dbmd.getUserName()); System.out.println("Database driver name= " + dbmd.getDriverName());

System.out.println("Database driver version = "+ dbmd.getDriverVersion());

System.out.println("Database product name = " + dbmd.getDatabaseProductName());

System.out.println("Database Version = " + dbmd.getDriverMajorVersion()); rs = dbmd.getTables(null,null,null, new String[]{"TABLE"});

System.out.println("List of tables..."); while(rs.next())

{

String tblName = rs.getString("TABLE\_NAME");

System.out.println("Table : "+ tblName);

} conn.close();

} }

## **Slip Nos 15**

Q1) Write a java program to display name and priority of a Thread public class MainThread

{

public static void main(String arg[])

{

Thread t=Thread.currentThread();

System.out.println("Current Thread:"+t);//Change Name t.setName("My Thread ");

System.out.println ("After the name is Changed:"+t);

try {

for(int i=2;i>0;i--)

{

System.out.println(i);

Thread.sleep(1000);

}

}

catch(Exception e)

{

System.out.println(e);

}

}

}