

Name: Gaurav Rawat

Roll No. : 2001063

Course: MCA

Sem: 2

Section : C

Qno3: Write a java program to create a file with your name, save it in the desktop, write some data on the file and then read and print that data into the console.

Ans.

```
import java.io.*;
import java.io.IOException;

import java.util.*;
public class MyClass {
    public static void main(String[] args) {
        try {
            File myfile = new File("GauravRawat.txt");
            if (myfile.createNewFile())
            {
                System.out.println("File created with the name " + myfile.getName());
                FileWriter myWriter = new FileWriter("GauravRawat.txt");
                System.out.println("Enter the content in the file");
                Scanner content = new Scanner(System.in);
                String str = content.nextLine();
                myWriter.write(str);
                myWriter.close();
                System.out.println("The content of the files :");
                String line = null;
                FileReader fileReader = new FileReader("GauravRawat.txt");
                BufferedReader bufferedReader = new BufferedReader(fileReader);
                while((line = bufferedReader.readLine()) != null)
                {
                    System.out.println(line);
                }
                bufferedReader.close();
            }
            else {
                System.out.println("File already in path.");
            }
        }
        catch (IOException e) {
            System.out.println("Error");
            e.printStackTrace();
        }
    }
}
```

Output:

Result

CPU Time: sec(s), Memory: kilobyte(s)

```
File created with the name GauravRawat.txt
Enter the content in the file

Hi my name is gaurav rawat
I'm pursuing MCA from graphic era hill university

JDoodle - Timeout
If your program reads input, please enter the inputs in the STDIN box above or try to enable the "Interactive" mode option above.
Please check your program does not contain an infinite loop.
Contact JDoodle support at jdoodle@nutpan.com for more information.
```

Gauravrawat - Notepad

File Edit Format View Help

Hi my name is gaurav rawat

I'm pursuing MCA from graphic era hill university

Qno 1: Write a servlet program to create a login page

Ans:

Create table userlist(name varchar2(25), pass varchar2(25));

Index.html

```
<!doctype html>
<html lang="en">
  <head>
    <title>Document</title>
  </head>
  <body>
    <form action="servlet1" method="post">
      <fieldset style="width:20%; background-color:gray ">
        <h2 align="center">Login</h2>
        <hr>
        <table>
          <tr><td>Userame</td><td><input type="text" name="username"/></td>
```

```

        <tr><td>Password</td><td><input type="password" name="userpass"/></td></tr>
        <tr><td></td><td><input type="submit" value="Let me in"/></td></tr>
    </table>
</fieldset>
</form>
</body>
</html>

```

FirstServlet.java

```

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class FirstServlet extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();

        String n=request.getParameter("username");
        String p=request.getParameter("userpass");
        if(LoginDao.validate(n, p))
        {
            RequestDispatcher rd=request.getRequestDispatcher("servlet2");
            rd.forward(request,response);
        }
        else
        {
            out.print("Sorry username or password error");
            RequestDispatcher rd=request.getRequestDispatcher("index.html");
            rd.include(request,response);
        }
        out.close();
    }
}

```

Loginpage.java

```

import java.sql.*;

```

```

public class Loginpage
{
    public static boolean validate(String name,String pass)
    {
        boolean status=false;
        try
        {
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","local","test");

            PreparedStatement ps=con.prepareStatement(
                "select * from userreg where name=? and pass=?");
            ps.setString(1,name);
            ps.setString(2,pass);
            ResultSet rs=ps.executeQuery();
            status=rs.next();
        }
        catch(Exception e)
        {
            System.out.println(e);
        }
        return status;
    }
}

```

WelcomeServlet.java

```

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class WelcomeServlet extends HttpServlet
{
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException
    {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String n=request.getParameter("username");
        out.print("Welcome "+n);
        out.close();
    }
}

```

web.xml

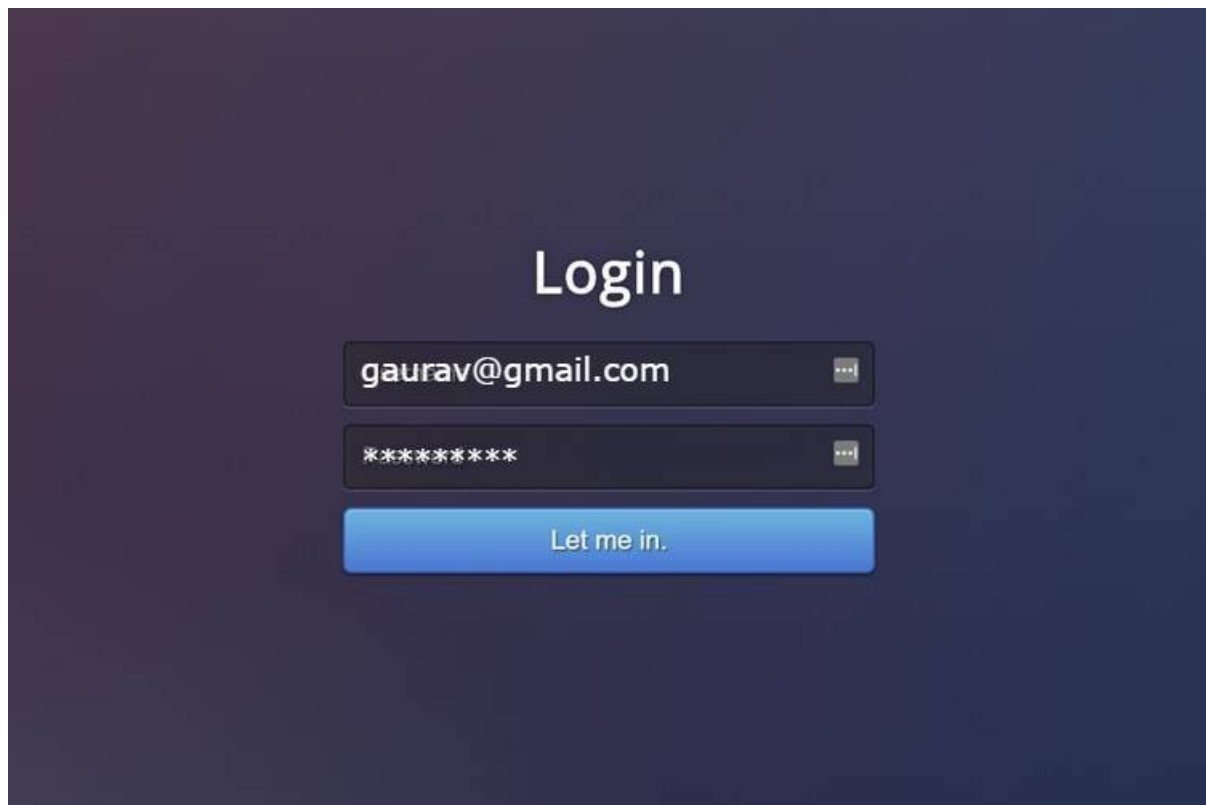
```
<web-app>
  <servlet>
    <servlet-name>FirstServlet</servlet-name>
    <servlet-class>FirstServlet</servlet-class>
  </servlet>
  <servlet>
    <servlet-name>WelcomeServlet</servlet-name>
    <servlet-class>WelcomeServlet</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>FirstServlet</servlet-name>
    <url-pattern>/servlet1</url-pattern>
  </servlet-mapping>
  <servlet-mapping>
    <servlet-name>WelcomeServlet</servlet-name>
    <url-pattern>/servlet2</url-pattern>
  </servlet-mapping>

  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
  </welcome-file-list>

</web-app>
```

Output:



Qno2: Write a program to demonstrate status of key on Applet window such as KeyPressed, KeyReleased, KeyUp, KeyDown.

```
import java.awt.*;
import java.applet.*;
import java.awt.event.*;
public class KeyEventDemo extends Applet implements KeyListener
{
    String msg = "";
    public void init()
    {
        addKeyListener(this);
    }
    public void keyReleased(KeyEvent k)
    {
        showStatus("Key Released");
        repaint();
    }
}
```

```

    public void keyTyped(KeyEvent k)
    {
        showStatus("Key Typed");
        repaint();
    }
    public void keyPressed(KeyEvent k)
    {
        showStatus("Key Pressed");
        repaint();
    }
    public void paint(Graphics g)
    {
        g.drawString(msg, 10, 10);
    }
    public static void main(String[] args)
    {
        new KeyEventDemo();
    }
}

```

Output:

```

Note: MyClass.java uses or overrides a deprecated API.
Note: Recompile with -Xlint:deprecation for details.
Exception in thread "main" java.awt.HeadlessException:
No X11 DISPLAY variable was set, but this program performed an operation which requires it.
    at java.desktop/java.applet.Applet.<init>(Applet.java:80)
    at MyClass.<init>(MyClass.java:4)
    at MyClass.main(MyClass.java:32)
|

```