**Exp1 (notepad) (java and html file)**

import java.applet.Applet;

import java.awt.Graphics;

import java.awt.event.KeyListener;

import java.awt.event.KeyEvent;

import java.awt.event.MouseMotionListener;

public class Exp1 extends Applet implements

KeyListener{

String str;

public void init(){

addKeyListener(this);

}

@Override

public void keyPressed(KeyEvent e){

str = "Key Pressed";

showStatus("Key is Pressed");

repaint();

}

public void keyRealeased(KeyEvent e){

str ="Key Released";

showStatus("Key is Released");

repaint();

}

@Override

public void keyTyped(KeyEvent e){

char key = e.getKeyChar();

str = "Key Typed :";

str+= key;

showStatus("Key is Typed");

repaint();

}

@Override

public void paint(Graphics g){

g.drawString(str,50,50);

}

}

**Exp2 (eclips)(project and java)**

**import** java.awt.\*;

**import** java.awt.event.\*;

**import** java.awt.event.MouseEvent;

**import** java.awt.event.MouseListener.\*;

**public** **class** Exp2 **extends** Frame **implements** MouseListener{

String str;

Frame f;

TextField tf;

Exp2(){

f = **new** Frame("Mouse Action");

f.setSize(300,300);

f.setLayout(**new** FlowLayout());

tf = **new** TextField("Mouse Event");

tf.setSize(100,50);

f.add(tf);

f.addMouseListener(**this**);

f.setVisible(**true**);

f.addWindowListener(**new** WindowAdapter() {

**public** **void** windowClosing(WindowEvent e) {

f.dispose();

}

});

}

@Override

**public** **void** mouseClicked(MouseEvent e) {

str = "MouseCLicked";

tf.setText(str);

}

@Override

**public** **void** mousePressed(MouseEvent e) {

str = "MousePressed";

tf.setText(str);

}

@Override

**public** **void** mouseReleased(MouseEvent e) {

str = "MouseReleased";

tf.setText(str);

}

@Override

**public** **void** mouseEntered(MouseEvent e) {

str = "MouseEntered";

tf.setText(str);

}

@Override

**public** **void** mouseExited(MouseEvent e) {

str = "MouseExited";

tf.setText(str);

}

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

Exp2 obj = **new** Exp2();

}

}

**Exp3 (eclips) (project and java)**

**import** java.awt.\*;

**import** java.awt.event.\*;

**public** **class** Exp3 {

Frame f, f2;

TextField tf1, tf2, tf3, tf4, tf5, tfn;

Exp3() {

f = **new** Frame("Student Result");

f.setLayout(**null**);

f.setSize(400, 400);

f.setVisible(**true**);

f.addWindowListener(**new** WindowAdapter() {

**public** **void** windowClosing(WindowEvent e) {

f.dispose();

}

});

Label ln = **new** Label("Enter Name");

ln.setBounds(10, 30, 90, 20);

f.add(ln);

tfn = **new** TextField();

tfn.setBounds(100, 30, 100, 20);

f.add(tfn);

Label l = **new** Label("Subject");

l.setBounds(10, 60, 50, 20);

f.add(l);

Label l1 = **new** Label("Enter Marks: ");

l1.setBounds(70, 60, 70, 20);

f.add(l1);

Label l2 = **new** Label("Marathi");

l2.setBounds(10, 90, 60, 20);

f.add(l2);

tf1 = **new** TextField();

tf1.setBounds(70, 90, 70, 20);

f.add(tf1);

Label l3 = **new** Label("Hindi");

l3.setBounds(10, 120, 60, 20);

f.add(l3);

tf2 = **new** TextField();

tf2.setBounds(70, 120, 70, 20);

f.add(tf2);

Label l4 = **new** Label("English");

l4.setBounds(10, 150, 60, 20);

f.add(l4);

tf3 = **new** TextField();

tf3.setBounds(70, 150, 70, 20);

f.add(tf3);

Label l5 = **new** Label("Maths");

l5.setBounds(10, 180, 60, 20);

f.add(l5);

tf4 = **new** TextField();

tf4.setBounds(70, 180, 70, 20);

f.add(tf4);

Label l6 = **new** Label("Science");

l6.setBounds(10, 210, 60, 20);

f.add(l6);

tf5 = **new** TextField();

tf5.setBounds(70, 210, 70, 20);

f.add(tf5);

Button b = **new** Button("Submit");

b.setBounds(30, 250, 50, 20);

f.add(b);

b.addActionListener(**new** ActionListener() {

**public** **void** actionPerformed(ActionEvent arg0) {

f2 = **new** Frame("Student Result");

f2.setLayout(**null**);

f2.setSize(400, 400);

f2.setVisible(**true**);

f2.addWindowListener(**new** WindowAdapter() {

**public** **void** windowClosing(WindowEvent e) {

f2.dispose();

}

});

Label lb = **new** Label("Result of "+ tfn.getText());

lb.setBounds(10, 30, 200, 20);

f2.add(lb);

**int** s1 = Integer.*parseInt*(tf1.getText());

**int** s2 = Integer.*parseInt*(tf2.getText());

**int** s3 = Integer.*parseInt*(tf3.getText());

**int** s4 = Integer.*parseInt*(tf4.getText());

**int** s5 = Integer.*parseInt*(tf5.getText());

Label lb1 = **new** Label("Marathi: " + s1);

lb1.setBounds(10, 60, 90, 20);

f2.add(lb1);

Label lb2 = **new** Label("Hindi: " + s2);

lb2.setBounds(10, 90, 90, 20);

f2.add(lb2);

Label lb3 = **new** Label("English: " + s3);

lb3.setBounds(10, 120, 90, 20);

f2.add(lb3);

Label lb4 = **new** Label("Maths: " + s4);

lb4.setBounds(10, 150, 90, 20);

f2.add(lb4);

Label lb5 = **new** Label("Science: " + s5);

lb5.setBounds(10, 180, 90, 20);

f2.add(lb5);

**int** sum = s1 + s2 + s3 + s4 + s5;

**float** pctg = (**float**) sum/5;

Label lb6 = **new** Label("Total Marks : " + sum);

lb6.setBounds(10, 210, 100, 20);

f2.add(lb6);

Label lb7 = **new** Label("Percentage : " + pctg);

lb7.setBounds(10, 240, 100, 20);

f2.add(lb7);

String str;

**if**(pctg>=40) {

str = "PASS";

}

**else** {

str="FAIL";

}

Label lb8 = **new** Label("Status : " + str);

lb8.setBounds(10, 270, 100, 20);

f2.add(lb8);

}

});

}

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

Exp3 ex = **new** Exp3();

}

}

**Exp 4 (eclips) (mysql , project and java)**

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

**public** **class** Exp4 {

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

//Create database : "jdbcdb"

//Create table in this database

/\* CREATE TABLE studentdata ( SrNo INT(5),

RollNo INT(6), first\_name VARCHAR(255), last\_name VARCHAR(255), email\_id VARCHAR(255), mobile BIGINT(10)

); \*/

String url = "jdbc:mysql://localhost:3306/jdbcdb";

String usr = "root";

String psw = "root";

String query1 = "insert into studentdata values(1, 304, 'Karan', 'Kumar', 'abc@gmail.com', 1239874560)";

String query2 = "select \* from studentdata";

**try** {

Class.*forName*("com.mysql.cj.jdbc.Driver");

Connection con = DriverManager.*getConnection*(url,usr, psw);

Statement stmt = con.createStatement();

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

stmt.execute(query1);

System.***out***.println("Data after insertion...");

ResultSet rs = stmt.executeQuery(query2);

System.***out***.println("Sr.No. " + "Roll No. " + "First Name " + "Last Name " + " Email ID " + " Mobile No.");

**while**(rs.next()){

System.***out***.println(" " + rs.getInt("SrNo") + " " + rs.getInt("RollNo") + " " + rs.getString("first\_name") + " " + rs.getString("last\_name")

+ " " + rs.getString("email\_id") + " " + rs.getString("mobile"));

}

} **catch** (SQLException e) { e.printStackTrace();

} **catch** (ClassNotFoundException e) { e.printStackTrace();

}

}

}

**Exp6 (project and java)**

**import** java.net.\*;

**public** **class** Exp6 {

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

System.***out***.println("Details of Machine getLocalHost(): ");

InetAddress Address = InetAddress.*getLocalHost*();

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

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

System.***out***.println("Details of Machine getByName(): ");

Address = InetAddress.*getByName*("DESKTOP-P88Q30D"); //PC Name System.out.println(Address);

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

System.***out***.println("Details 'www.google.com' getByName(): ");

InetAddress SW1[]= InetAddress.*getAllByName*("www.google.com");

**for** (**int** i=0; i<SW1.length; i++)

System.***out***.println(SW1[i]);

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

System.***out***.println("Details 'www.sinhgad.com' getByName(): ");

InetAddress SW2[]=InetAddress.*getAllByName*("www.sinhgad.com");

**for** (**int** i=0; i<SW2.length; i++)

System.***out***.println(SW2[i]);

}

}

**EXP9(eclips)(dynamic web development , html , jsp)**

**Index.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>AJP Exp-9</title>

</head>

<body>

<form action=*"index.jsp"*>

<label>Enter the number : </label>

<input type=*"text"* name=*"un"*>

<input type=*"submit"* value=*"Submit"*>

<br>

</form>

</body>

</html>

**Index.jsp**

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>Welcome to JSP</h1>

<br>

<%

String n = request.getParameter("un"); **int** no = Integer.parseInt(n); out.println("Number Entered is: " + no); out.println("<br> <br>");

out.println("Cube of Number: " + no\*no\*no);

%>

</body>

</html>