package studentquiz;

import java.util.Scanner;

class student{

String name;

int ID\_NO;

}

class CS extends student{

void getValues1(String n,int id){

super.name=n;

super.ID\_NO=id;}

void Disply1(){

String n1 = name;

int id1 = ID\_NO;

System.out.print("CS student name is\n"+n1);

System.out.print("CS studnet id is\n"+id1);

}

}

class EE extends student{

void getValues2(String nn,int idd){

super.name=nn;

super.ID\_NO=idd;}

void Disply2(){

String n2 = name;

int id2 = ID\_NO;

System.out.print("EE student name is\n"+n2);

System.out.print("EE studnet id is\n"+id2);

}

}

class BI extends student{

void getValues3(String nnn,int iddd){

super.name=nnn;

super.ID\_NO=iddd;}

void Disply3(){

String n3 = name;

int id3 = ID\_NO;

System.out.print("BI student name is\n"+n3);

System.out.print("BI studnet id is\n"+id3);

}

}

public class StudentQuiz {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) {

// TODO code application logic here

Scanner obj = new Scanner(System.in);

int i,j,k;

String P,Q,R;

System.out.print("enter CS student name");

P = obj.next();

System.out.print("enter CS student ID");

i = obj.nextInt();

System.out.print("enter EE student name");

Q = obj.next();

System.out.print("enter EE student ID");

j = obj.nextInt();

System.out.print("enter BI student name");

R = obj.next();

System.out.print("enter BI student ID");

k = obj.nextInt();

CS obj1 = new CS();

obj1.getValues1(P, i);

obj1.Disply1();

EE obj2 = new EE();

obj2.getValues2(Q, j);

obj2.Disply2();

BI obj3= new BI();

obj3.getValues3(R, k);

obj3.Disply3();

}

}

package student;

// import java.util.Scanner;

class Circle{

double r;

public Circle(){

r = 1.0; //default radius value;

}

public Circle (double r) {

this.r = r; //same name...!

} }

public class Student {

public static void main(String[] args) {

// Scanner S = new Scanner(System.in);

Circle c = new Circle(2.0);

Circle c2 = new Circle();

}

}

package probability;

import java.util.Scanner;

import javax.swing.\*;

public class Probability {

int [] arr = new int[5];

String [] arr1 = new String[5];

int [] arr2 = new int[5];

Scanner get = new Scanner(System.in);

JFrame new\_frame = new JFrame();

int count = 0;

int count1 = 0;

int totalcount = 0;

//Taking Input

public Probability(){

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

arr1[i] = JOptionPane.showInputDialog("Enter Observation");

arr[i] = Integer.parseInt(arr1[i]);}

System.out.println("Enter Observation");

for(int j= 0 ; j<arr2.length ;j++){

arr2[j] = get.nextInt();}

}

// checking probability of A

public void check(){

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

for(int j= 0 ; j<arr.length ;j++){

if (arr[i] == arr[j] ){

++count;

}

}

}

// Checking Probability of B

for(int i= 0 ; i<arr2.length ;i++){

for(int j= 0 ; j<arr2.length ;j++){

if (arr2[i] == arr2[j] ){

++count;}}}

// Calculaate TotL Count

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

++totalcount;

}}

// Calculating Probability

public void show(){

if (totalcount != 0 ){

int pa = count / totalcount;

int pb = count1 / totalcount;

System.out.print("Probaility of PA is \n" + pa);

System.out.print("Probaility of PB is \n" + pb);

if(pa>pb){

JOptionPane.showMessageDialog(new\_frame,"Event PA is more lickely To Occur","Success",JOptionPane.INFORMATION\_MESSAGE);}

else

{JOptionPane.showMessageDialog(new\_frame,"Event PB is more lickely To Occur","Success",JOptionPane.INFORMATION\_MESSAGE);}

}else{

}JOptionPane.showMessageDialog(new\_frame,"Probability not found","Error",JOptionPane.INFORMATION\_MESSAGE);

}

public static void main(String[] args) {

Probability obj = new Probability ();

obj.check();

obj.show();

}

}

package quadraticequation;

import java.util.Scanner;

/\*\*

\*

\* @author Fayzan Bhatti

\*/

public class QuadraticEquation {

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

System.out.println("Enter the Value of A:");

double a = s.nextDouble();

System.out.println("Enter the Value of B:");

double b = s.nextDouble();

System.out.println("Enter the Value of C:");

double c = s.nextDouble();

double root1=0;

double root2=0;

double discremint = b\*b\*4\*a\*c;

if (discremint<0 ){

System.out.println("Roots are Imagnary...........");

}

if ( discremint==0 ){

System.out.println("Roots are Equal...........");

// root = -b/2\*a;

root1 = -b/(2\*a);

root2 = -b/(2\*a);

}

if ( discremint>0 ){

System.out.println("Roots are not Equal...........");

root1 = (-b+Math.sqrt(discremint))/(2\*a);

root2 = (-b-Math.sqrt(discremint))/(2\*a);

}

System.out.println("Roots of the Quadratic Equation are");

System.out.println("Root1:"+ root1);

System.out.println("Root2:" + root2);

}

}

package testswitch2;

import javax.swing.\*;

public class TestSwitch2 {

public static void main(String[] args) {

String a,b,r;

a = JOptionPane.showInputDialog("Enter first number");

int A = Integer.parseInt(a);

b = JOptionPane.showInputDialog("Enter second number");

int B = Integer.parseInt(b);

r = JOptionPane.showInputDialog("Enter Radius");

int R = Integer.parseInt(r);

String x = JOptionPane.showInputDialog("press \* for Addition and Division" +

"Press # area of circle and circumfrence of circle" + " other for invilid input");

switch(x){

case "\*":

double ADD ;

ADD = (A+B);

JOptionPane.showMessageDialog(null,"Result of substracion" + ADD);

double DIVI ;

DIVI = (A/B);

JOptionPane.showMessageDialog(null,"Result of substracion" + DIVI);

case "#":

double AOC ;

AOC = 3.14\*R\*R ;

JOptionPane.showMessageDialog(null,"Result of substracion" + AOC);

double COC ;

COC = 3.14\*2\*R ;

JOptionPane.showMessageDialog(null,"Result of substracion" + COC);

break;

}

}}

package pkgtry;

import javax.swing.\*;

import javax.swing.JFrame;

public class TRY1 {

public static void main(String[] args) {

JFrame frame = new JFrame("JOptionPane showMessageDialog example");

String operand1;

operand1= JOptionPane.showInputDialog("Enter radius of circle: ");

double a = Double.parseDouble(operand1);

String choice = JOptionPane.showInputDialog("Enter 1 for Area, 2 for circumference");

int ch = Integer.parseInt(choice);

if(ch==1)

{

double c=3.14\*a\*a;

JOptionPane.showMessageDialog(null, c);

}

else if(ch==2)

{

double m=2\*3.14\*a;

JOptionPane.showMessageDialog(null, m);

}

else

{

JOptionPane.showMessageDialog(frame,

"Invalid",

"error",

JOptionPane.ERROR\_MESSAGE);

}

}

}

=================================================================================

package tableexample;

import javax.swing.\*;

public class TableExample {

//JFrame f;

TableExample(){

JFrame f=new JFrame();

String data[][]={ {"101","Fayzi","670000","Officer"}, // data is user defined varale of number of rows

{"102","Fayzan","780000","HOD"},

{"101","Bhatti","700000","SHO"}};

String column[]={"ID","NAME","SALARY","RANK"}; // colimn is user defined varale of number of coloums.

JTable jt=new JTable(data,column);

jt.setBounds(30,40,200,300);

JScrollPane sp=new JScrollPane(jt);

f.add(sp);

f.setSize(300,400);

f.setVisible(true);

}

public static void main(String[] args) {

new TableExample();

}

}

package test;

import javax.swing.\*;

/\*\*

\*

\* @author Fayan Bhatti

\*/

public class Test {

public static void main(String[] args) {

String a,b,c,d;

a = JOptionPane.showInputDialog("Enter first number");

int A = Integer.parseInt(a);

b = JOptionPane.showInputDialog("Enter second number");

int B = Integer.parseInt(b);

c = JOptionPane.showInputDialog("Enter thirld number");

int C = Integer.parseInt(c);

d = JOptionPane.showInputDialog("Enter fourth number");

int D = Integer.parseInt(d);

String x = JOptionPane.showInputDialog("press 1 for Substraction" +

"Press 5 for multiplication" + " other for invilid input");

switch(x)

{

case "1":

double S ;

S = (A-B)-(C-D);

JOptionPane.showMessageDialog(null,"Result of substracion" + S);

break;

case "2":

double M;

M= (A\*B)\*(C\*D);

JOptionPane.showMessageDialog(null,"Result of Multiplication" + M);

break;

default:

JOptionPane.showMessageDialog(null,"Invilid Input");}}}

package staticethodaoc;

import java.util.Scanner;

public class StaticethodAOC {

// static method

static void AOC()

{Scanner s = new Scanner(System.in);

System.out.println("Enter the Radius for AOC");

int r = s.nextInt();

System.out.println("Radius of the AOC is " + r);

double AreaOfCircle = 3.14\*r\*r;

System.out.println("Area of Circle is="+AreaOfCircle );

}

static void AOT(){Scanner s1 = new Scanner(System.in);

System.out.println("Enter the Base and Height");

int b = s1.nextInt();

int h = s1.nextInt();

double AreaOfTriangle = 0.5 \*b\*h;

System.out.println("Area of Triangle is="+AreaOfTriangle );

}

static void COC() {

Scanner s2 = new Scanner(System.in);

System.out.println("Enter the Radius for COC");

int r = s2.nextInt();

System.out.println("Radius of the COC is " + r);

double CircumfranceOfCircle = 2 \* 3.14 \*r ;

System.out.println("Circumfrance Of Circle is="+CircumfranceOfCircle );

}

public static void main(String[] args) {

// calling m1 without creating

// any object of class Test

AOC();

AOT();

COC();

}

}

package staticinmethod;

public class StaticInMethod {

static int age;

static String name;

//This is a Static Method

static void disp(){

System.out.println("Name is: " + name);

System.out.println("Age is:" + age);

}

public static void main(String[] args) {

age = 19;

name = "FAYZAN BHAAT";

disp();

}

}

package stringtest;

//@author FAYZAN BHATTI

public class StringTest {

public static void main(String[] args) {

int r= 4;

int j = 5;

System.out.print("Hello"+r);

System.out.print(r+j);

String s1 = new String("Fayzan");

String s2 = "Fayzan";

if(s1==s2){

System.out.print("comparing string using == operator");}

if(s1==(s2))

{System.out.print("comparing using string equal method");}

}

}

package studentgui;

import javax.swing.\* ;

public class StudentGUI {

public static void main(String[] args) {

JFrame frame = new JFrame("GUI");

JButton b = new JButton("Fayzi");

b.setBounds(90,90,90, 30);

//Adding button onto the frame

frame.add(b);

// Setting Frame size. This is the window size

frame.setSize(300,300);

frame.setLayout(null);

frame.setVisible(true);

frame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

}

}

package sumavgof5marks;

import javax.swing.\*;

/\*\*

\*

\* @author Fayzan Bhatti

\*/

public class SumAvgOf5Marks {

public static void main(String[] args) {

String a,b,c,d,e,f;

a = JOptionPane.showInputDialog("Enter the 1st subject Marrks");

int A = Integer.parseInt(a);

b = JOptionPane.showInputDialog("Enter the 2nd subject Marrks");

int B = Integer.parseInt(b);

c = JOptionPane.showInputDialog("Enter tthe 3rd subject Marrks");

int C = Integer.parseInt(c);

d = JOptionPane.showInputDialog("Enter tthe 4th subject Marrks");

int D= Integer.parseInt(d);

e = JOptionPane.showInputDialog("Enter tthe 5th subject Marrks");

int E= Integer.parseInt(e);

double Sum, Avg;

Sum = A+B+C+D+E;

JOptionPane.showMessageDialog(null,"Sum of 5 subject marks are"+ Sum);

Avg = Sum/5;

JOptionPane.showMessageDialog(null,"Average of 5 Subject marks are"+ Avg);

}

}