Lab Brognom 5 (Part A)

Unite a Java program to display the moth of a year. Month of the year should be held in an array.

```
public valatie void main (String [] angra)
 String months [];
 months = neu String [13];
  months [0] = mull;
  months [1] = "Jamuary";
  months [2] = "February";
  months [3] = "March";
   months [4] = " April";
   months [5] = "May";
    months [6] = " Jume";
   months [7] = "July"
    months [8] = "Augest";
    months [9] = "September";
   months [10] = " Octuberz";
    months [1] = "November";
    months [12] = "Deember";
   if (angro. length == 0)
```

System.out.println ("enter number between 0+12") System. exit (0);

```
Int m = Integer. parceInt (wyo[0]);
      System.out. println (months[m]);
     3
  Output
        e: \j2k1.4.1 \bin \ Javac Labs. java
     e: \izh1.4.1\bin) Lab5. Java 5
         May .
               x Filliage x
Dae: 12/4/22
* Lab Program 6 (Part A)
   Write a program with class variable that is available
laz allimplances of the class. Une static variable declaration.
      · Class Lab 6
        Static int count = 0;
      - Publie void imenement ()
             3
              public static void main (String argal])
                Lab 6 obj1 = mewlab 6();
                Lab 6 obj 2 = new Lab 6();
```

obj. Increment ();

obje. imenement();

System. out primtln ("obj 1 count is = "+obj1.count);

System. out. println ("obj2 count in = "+obj2.count).

3

Oulput

C: \125dh1.4.1\bim > javae lab6.java e: \j25dh1.4.01\bim > Java Lab6

obj 2 count in = 2

Lab Program 7

Dale: 21/4/22

Create a class called add Sub with methods to add and subtract. Create another class, class Mul Div that extends from Add sub class to use the member data of the super class. Mul Div should have member methods to multiply and divide A main function should access the methods and perform the mathematical operations.

class addslb.

E imt a = 20, b = 10; Public void dinplay ()

System. out. println ("Number 1"+a);
System. out. println ("Number 2"+b),

```
void add ()
Syntem. out. println ("Sum \m"+ (a+b));
  roid sub ()
   system.out. println ("Difference: \m" + (a-b));
class muldir extends addrub
   void mul ()
   c ((d*a) + "m/ bubon9") m/ming.tuo.motory2
 roid div ()
     System.out.println ("division in/n"+ (a/b)).
    3
   ζ
  Public class Lab?
    public static void main (String args [])
  ٤
    E/* addrob obj1 = mew addrob ();
          obj1. diaplay ();
          obj 1. add ();
          obj1. Sub (); */
       muldiv obje = new muldir ();
           obj2. display();
           obje. add ();
           o bj 2. sub ()
           obj 2 . mul ();
            obj 2. div ();
```

Oulput.

Number 1: 20 Number 2: 10 gum: 30 Difference: 10 Product: 200 divinion

2

```
lob Program 8
  Write a program to handle Arithmetie Exception and
 Ifinally Method to display a message to the user ..
          clann Lab 8
          ٤
            publie satalie void main (String args [])
                   imt a, b;
                   floatre;
                   a=7
                    b = 0
                   Try &
                      m = a/b;
                    System. out. primt lm ("Repult in"+ 12);
                catch (Anithmetic Exception e)
                System.out.primtlm ("Binzeno");
             finally
  System.out. printly ("finally. exception occurred or mot. I
                executed always. ");
                           output
```

B in zeno
Faimally: exception occurs on mot,
i execute always.

altributer: Emnollment id: Name, Mark of sub1. Mark of rub2, nub3, total marks. Total of the three marks must be calculated only when the solutent parsies in all three rubs. The pass mark by each rub 50. If a candidate fails in anyone of the rubjects histotal mark must be declared as zero.

```
import java. util. Scammen ;
Public class Student {
  String name;
    intim1, m2, m3, total;
   Public void accept () {
     Scammer im = mew Scammer (System.im).
    System.out. print ("Enter mame:");
      mame = im. nextline ();
    System. out. printy "Enter Sub 1 marks:");
        m 1 = in. nextl m ();
     System. Out. primth ("Entex Sub 2 marks:")
         m2 = im. mextlmt ();
      System.out. print ("Enter Dub 3 marks:");
          ms = im. mextlmt ();
     public void compute () {
        if (m1>49 && m2>49 && m3>49)
        total = (m1+m2+m3);
        elne
           total = 0;
          public void display () {
```

```
System.outprintlm ("Name: "+ mame);
 System.out.primtln ("Sub1 marks:"+m1);
System.out. printlm ("Sub2 marks: "+ m2);
 System. out. primila ("Sub 3 marks: "+ m3);
 System.out. primil m (" Fotal Marks: " + total);
 public static void main (String angro[]) {
     Student obj = new Student ();
       obj. accept ();
       obj. compute ();
       obj. display ();
```

OUTPUT

Emler the name of the student: Akshyamkha

Emter rub1 manha:

80

Emter sub & morks:

90

Entler pub 3 marihor:

mame: Akohyamkha

Sull marks: 80

Sub2 marks: 90

Sub3 marks: 90

101AL marks: 260

Гар рноднат 10

of Manage Command Define a class called first class year with the attributes - staff mame, Student name and marks and marks and define a soutable comstrator. Also write a method called best student () which processor a first-year object and return the student with the highest total mank.

import java. util. Scammer; nopytanif acabo siduq String staffname;

int 101AL_STUDENTS = 3;

String name [] = new String [TOTAL_STUDENTS]; inflmwho[] = newint[TOTAL-STUDENTS];

finolyear ()

staffname - ": 10TAL_STUDENTS=0;

Public void accept ()

٤ Scammest im = new Scammen (System.in); System.out. print ("Enter Staff name); staffname = im. mextline (); for (inti=0; i (mame.length; i++)

System.out.print ("Enter mame of student"+(i+1)+":") mame[i] = im.mextline(); System.out.print ("Enter marks of student "+ (i+1)+":")

```
imanka[i] = im.mex][mt();
im. mextline()
 public void Bent Student ()
   int hIdx = 0;
          for (inti = 1; i (morks.length; i++)
               if (marks[i] > marks[hIdx])
                     hIdx = 1;
          System.out. println ("Staff Name = "+ staffmame);
System.out primilm ("Highest Marks = "+ marks [hidx]
    .... System.out.printlin ("Name of student = "+ mame[h]dx];
    3
    public watate void main (Sming argn [])
     finatyear f = new finatyear ();
       f. accept();
       f. Bentstudent ();
                               - There is blow att.
           Figure 1912 - Marie Marie Manneston 19
                 I - Con Little and - con party att.
```

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the total of the articular to the continue