

## Lec 6 - Lab program 6.



DATE \_\_\_\_\_  
PAGE 30

output CIE + ;  
class finmarks {

```
public static void main (String args[]) {  
    Scanner ss = new Scanner (System.in);  
    System.out.println ("enter the array of students");  
    int no = ss.nextInt();  
    for (int i=0; i<no; i++) {  
        float tot[] = new float[5];  
        CIE.Student stud = new CIE.Student();  
        System.out.println ("enter name, um and sem");  
        String n = ss.nextLine();  
        int u = ss.nextInt();  
        int s = ss.nextInt();  
        stud.get (n, u, s);  
        CIE.Internal ci = new CIE.Internal();  
        CIE.External se = new CIE.External();  
        stud.set ();  
        for (int i=0; i<5; i++) {  
            tot[i] = (ci.enr[i] + se.enr[i]/2));  
        }  
        System.out.println ("Total marks for subject : "+(i+1));  
        System.out.println (tot[0]);  
    }  
}
```

3

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```
package DEE;  
import CG.*;  
public class external extends CG.student  
{  
    public float arr[];  
    public external()  
    {  
        Scanner s = new Scanner(System.in);  
        arr = new float[5];  
        System.out.println("external marks for 5 subjects  
        (out of 100): ");  
        for (int i=0; i<5; i++)  
        {  
            System.out.println("subject " + (i+1));  
            arr[i] = s.nextFloat();  
        }  
    }  
}
```



class Temp < Type > {  
 Type value;

Temp() {

}

Temp(Type value) {  
 this.value = value;

}

public Type getValue() {  
 return value;

}

public void setValue(Type value) {  
 this.value = value;

}

3  
public class Generics {

public static void main (String[] args) {  
 Temp < float > test = new Temp < float > (0.24f);  
 System.out.println (test.getValue ());  
 test.setValue (0.36f);  
 System.out.println (test.getValue ());  
 Temp < String > test2 = new Temp < String > ("Hello");  
 System.out.println (test2.getValue ());  
}

3

class WrongAge extends Exception  
{} public String toString()  
{} return "Please enter the right age:";

age > father's age.;

3

3

class Father

{ int age; }

Father (int age);

{ age = age; }

System.out.println("Father age :" + age);

3

3

class Son extends Father

{ Son (int age); }

{ super (age); }

System.out.println("Son age :" + age);

3

3

public class Age {

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

int i = args.length;

int j = Integer.parseInt(args[0]);

int k = Integer.parseInt(args[1]);

if (i &lt;= 0 || k &lt; j)

throw new WrongAge();

else {

    Father => new Father();  
    Son => new Son();

}

}

}



class B extends Runnable {

Thread T;

String name;

public BRS (String name) {

this.name = name;

T = new Thread (this, this.name),

T.start();

}

public void run() {

for (int i = 0; i < 3; i++) {

System.out.println("BRS College of engineering");

try {

Thread.sleep(1000);

}

Catch (Exception e) {

}

}

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3  
class C extends Runnable {

Thread t;

String name;

C (String name) {

this.name = name;

t = new Thread (this, this.name),

t.start();

3



DATE \_\_\_\_\_

PAGE 36

@override

public void run() {

for (int i=0; i&lt;10; i++) {

System.out.println ("CSG");

try (Thread.sleep(2000));

}

catch (Exception e) {

}

}

}

}

public class Worker {

public static void main (String args) throws  
Exception {

new BEE ("Thread 1");

new CSG ("Thread 2");

}

}

# Lab Program - 10.



DATE \_\_\_\_\_  
PAGE 37.

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

public class Calc extends Frame implements ActionListener

Listener {

TextField num1, num2;

Label l;

Button n;

Calc() {

num1 = new TextField();

num1.setBounds(50, 50, 200, 25);

num2 = new TextField();

num2.setBounds(50, 100, 200, 25)

l = new Label();

l.setBounds(50, 150, 300, 50);

n = new Button("Divide");

n.setBounds(50, 200, 100, 50);

n.addActionListener(this);

add(n);

add(num1);

add(num2);

add(l);

setSize(800, 800);

setLayout(null);

setVisible(true);

8.



addWindowListener (new WindowAdapter () {  
public void windowClosing (WindowEvent e) {  
Frame frame = e.get  
System.exit (0);  
}})

3

3

public void actionPerformed (ActionEvent e) {

try {

String n1 = num1.getText ();

String n2 = num2.getText (),

intText1.setText ("Quotient : " + (Integer.parseInt (n1) / Integer.parseInt (n2)));

}

catch (NumberFormatException ne) {

textText ("Cannot divide non integer values");

3

catch (ArithmaticException ae) {

textText ("Cannot divide");

3

catch (Exception ee) {

System.out.println (ee);

3

3

public static void main (String [] args) {  
new Cal10 ();

3

3