3.Write a Applet program to demonstrate Applet Skeleton.

import java.applet.Applet; //save with First.java

import java.awt.Graphics;

public class First extends Applet

{

public void paint(Graphics g)

{

g.drawString("WELCOME",150,150);

}

}

<html> //save with myapplet.html

<body>

<applet code="First1.class" width="300" height="300">

</applet>

</body>

</html>

5.Write a java program to demonstrate creation and importing packages.

//creation of package

package zzz;

public class A

{

String n="abc";

public void print()

{

System.out.println(n);

}

}

// importing package

import zzz.\*;

class B extends A

{

public static void main(String args[])

{

A a=new A();

a.print();

}

}

6. Write a java program to demonstrate Interface concept in java.

interface Area

{

static final float PI=3.14F;

float ComputeArea(float x,float y);

}

class Rectangle implements Area

{

public float ComputeArea(float x,float y)

{

return(x\*y);

}

}

class Circle implements Area

{

public float ComputeArea(float x,float y)

{

return(PI\*x\*x);

}

}

class InterfaceTest

{

public static void main(String args[])

{

Rectangle rect=new Rectangle();

Circle cir=new Circle();

Area area;

area=rect;

System.out.println("area of rectangle:"+area.ComputeArea(5,10));

area=cir;

System.out.println("area of circle:"+area.ComputeArea(5,5));

}

}

7. Write a java program to demonstrate of creating new thread and starts running.

class Multi extends Thread

{

public void run()

{

System.out.println("thread is running");

}

public static void main(String args[])

{

Multi t1=new Multi();

t1.start();

}

}

8. Demonstrate multiple thread concepts in java with help of program.

class MultithreadingDemo

implements Runnable

{

public void run()

{

try

{

System.out.println("thread"+Thread.currentThread().getId()+"is running");

}

catch(Exception e)

{

System.out.println("exception is caught");

}

}

}

class Multithread

{

public static void main(String args[])

{

int n=8;

for(int i=0;i<n;i++)

{

Thread object=new Thread(new MultithreadingDemo());

object.start();

}

}

}

9. Implement program to handle Exceptions in java programming.

class Multicatch

{

public static void main(String args[])

{

try

{

int a=args.length;

System.out.println("a="+a);

int b=42/a;

int c[]={1};

c[42]=99;

}

catch(ArithmeticException e)

{

System.out.println("divide by 0 \n"+e);

}

catch(ArrayIndexOutOfBoundsException e)

{

System.out.println("array index out of Bound"+e);

}

}

}