SE CMPN B ROLL-40

import java.awt.\*;

import java.applet.\*;

import java.io.\*;

import java.util.\*;

/\*<applet code="Circleb.class" height=400 width=700></applet>\*/

public class Circleb extends Applet

{

Scanner sc=new Scanner(System.in);

float xc,yc,r,di;

float xi,yi;

public void init()

{

System.out.println("Enter the center co-ordinates for xc and yc:");

xc=sc.nextInt();

yc=sc.nextInt();

System.out.println("Enter the radius:");

r=sc.nextInt();

}

public void paint(Graphics g)

{

di=(3-2\*r);

xi=0;

yi=r;

do

{

g.setColor(Color.red);

g.drawLine((int)(xi+xc),(int)(yi+yc),(int)(xi+xc),(int)(yi+yc));

g.drawLine((int)xc,(int)yc,(int)(xi+xc),(int)(yi+yc));

g.setColor(Color.blue);

g.drawLine((int)(xi+xc),(int)(-yi+yc),(int)(xi+xc),(int)(-yi+yc));

g.drawLine((int)xc,(int)yc,(int)(-xi+xc),(int)(yi+yc));

g.setColor(Color.blue);

g.drawLine((int)(-xi+xc),(int)(yi+yc),(int)(-xi+xc),(int)(yi+yc));

g.drawLine((int)xc,(int)yc,(int)(xi+xc),(int)(-yi+yc));

g.setColor(Color.red);

g.drawLine((int)(-xi+xc),(int)(-yi+yc),(int)(-xi+xc),(int)(-yi+yc));

g.drawLine((int)xc,(int)yc,(int)(-xi+xc),(int)(-yi+yc));

g.setColor(Color.green);

g.drawLine((int)(yi+yc),(int)(xi+xc),(int)(yi+yc),(int)(xi+xc));

g.drawLine((int)xc,(int)yc,(int)(-yi+xc),(int)(-xi+yc));

g.setColor(Color.yellow);

g.drawLine((int)(-yi+yc),(int)(xi+xc),(int)(-yi+yc),(int)(xi+xc));

g.drawLine((int)xc,(int)yc,(int)(yi+xc),(int)(-xi+yc));

g.setColor(Color.yellow);

g.drawLine((int)(yi+yc),(int)(-xi+xc),(int)(yi+yc),(int)(-xi+xc));

g.drawLine((int)xc,(int)yc,(int)(-yi+xc),(int)(xi+yc));

g.setColor(Color.green);

g.drawLine((int)(-yi+yc),(int)(-xi+xc),(int)(-yi+yc),(int)(-xi+xc));

g.drawLine((int)xc,(int)yc,(int)(yi+xc),(int)(xi+yc));

if(di<0)

{

di=(di+(4\*xi)+6);

xi=xi+1;

}

else

{

di=di+4\*(xi-yi)+10;

yi=yi-1;

xi=xi+1;

}}

while(xi<=yi);

}

}

OUTPUT-

D:\>javac Circleb.java

D:\>appletviewer Circleb.java

Enter the center co-ordinates for xc and yc:

100

100

Enter the radius:

40

