งานมอบหมายที่ 10.2
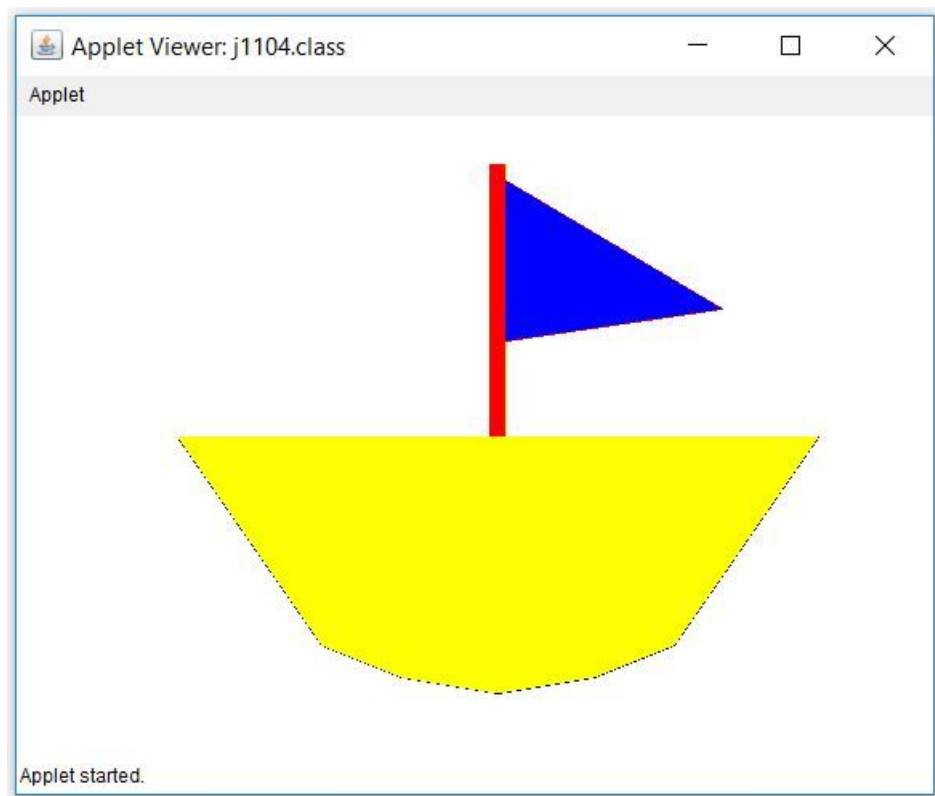
1. วาดรูปเรือใบ

```java
import java.applet.*;
import java.awt.*;
public class j1104 extends Applet {
  Image img;
  public void init() {
    setBackground(Color.white);
    img = getImage(getDocumentBase(),"x.gif");
  }
  public void paint(Graphics g) {

    int[] x={100,190,240,300,360,410,500};
    int[] y={200,330,350,360,350,330,200};
    g.drawPolygon(x,y,7);
g.setColor(Color.yellow);
g.fillPolygon(x,y,7);

    int[] a={295,295,305,305};
    int[] b={30,200,200,30};
    g.drawPolygon(a,b,4);
g.setColor(Color.red);
g.fillPolygon(a,b,4);

    int[] c={305,440,305};
    int[] d={40,120,140};
    g.drawPolygon(c,d,3);
g.setColor(Color.blue);
g.fillPolygon(c,d,3);
  }
}
```

2. วาดรูปโดเรมอน

```java
j1104.java          ×    doraemon.java        ×
1   import java.applet.*;
2   import java.awt.*;
3   public class doraemon extends Applet {
4     Image img;
5     public void init() {
6       setBackground(Color.white);
7       img = getImage(getDocumentBase(),"x.gif");
8     }
9     public void paint(Graphics g) {
10      g.setColor(Color.black);
11          /*=============Head main=============*/
12      g.drawOval(90,40,310,310);
13          g.setColor(Color.blue);
14          g.fillOval(90,40,310,310);
15
16          /*=============Body=============*/
17      int[] x={40,40,45,55,68,83,95,92,92,96,102,108,108,
18              115,125,143,158,175,190,200,
19              202,213,228,248,264,
20              278,288,298,306,314,320,323,
21              318,312,300,300,320,338,353,368,380,390,
22              398,405,408,374,364,350,335,313,300,318,100,87,80};
23      int[] y={250,270,290,310,332,344,353,363,405,425,447,463,497,
24              508,513,515,515,513,508,500,
25              490,483,480,483,488,
26              496,486,474,464,450,437,418,
27              413,408,406,400,400,394,388,379,370,360,
28              348,337,328,310,320,328,334,337,340,283,270,258,246};
29      g.drawPolygon(x,y,55);
30          g.fillPolygon(x,y,55);
```

```java
            /*============left hand=============*/
        g.setColor(Color.black);
        g.drawOval(30,200,55,55);
            g.setColor(Color.white);
            g.fillOval(30,200,55,55);

            /*============right hand=============*/
        g.setColor(Color.black);
        g.drawOval(373,274,55,55);
            g.setColor(Color.white);
            g.fillOval(373,274,55,55);

            /*============left shoe=============*/
            g.setColor(Color.black);
        int[] a={115,125,143,158,175,190,200,
            210,210,200,182,158,133,118,102,90,88,91,102,110};
        int[] b={508,513,515,515,513,508,500,
            512,532,542,552,558,558,554,548,538,525,515,504,500};
        g.drawPolygon(a,b,20);
            g.setColor(Color.white);
            g.fillPolygon(a,b,20);

            /*============right shoe=============*/
            g.setColor(Color.black);
        int[] c={278,288,298,306,314,320,323,
            333,350,361,365,365,359,351,342,333,313,297,288,280};
        int[] d={496,486,474,464,450,437,418,
            410,410,419,430,448,463,478,492,504,518,518,514,504};
        g.drawPolygon(c,d,20);
            g.setColor(Color.white);
```

```java
62          g.fillPolygon(c,d,20);
63
64          /*=============tail=============*/
65          g.setColor(Color.black);
66      g.drawLine(228,479,233,490);
67
68      g.drawOval(225,487,33,33);
69          g.setColor(Color.red);
70          g.fillOval(225,487,33,33);
71
72          /*=============face=============*/
73      g.setColor(Color.black);
74          g.drawArc(100,95,265,265,-60,260);
75      g.setColor(Color.white);
76          g.fillArc(100,95,265,265,-60,260);
77
78          /*=============stomuch=============*/
79      g.setColor(Color.black);
80          g.drawArc(104,290,170,170,22,-265);
81      g.setColor(Color.white);
82          g.fillArc(104,290,170,170,22,-265);
83
84          /*=============stomuch 2=============*/
85          g.setColor(Color.white);
86      int[] h={148,190,270};
87      int[] i={299,377,344};
88      g.drawPolygon(h,i,3);
89          g.setColor(Color.white);
90          g.fillPolygon(h,i,3);
```

```java
         /*============neckle============*/
    int[] e={108,300,297,105};
    int[] f={271,341,354,284};
    g.drawPolygon(e,f,4);
        g.setColor(Color.yellow);
        g.fillPolygon(e,f,4);

        /*============face 2============*/
        g.setColor(Color.white);
    int[] j={108,300,237};
    int[] k={271,341,218};
    g.drawPolygon(j,k,3);
        g.setColor(Color.white);
        g.fillPolygon(j,k,3);

        /*============bag============*/
    g.setColor(Color.black);
        g.drawArc(120,298,140,140,-20,-200);
    g.setColor(Color.white);
        g.fillArc(120,298,140,140,-20,-200);
    g.setColor(Color.black);
        g.drawLine(118,357,258,393);

        /*============bell============*/
    g.setColor(Color.black);
        g.drawOval(164,308,48,48);
    g.setColor(Color.yellow);
        g.fillOval(164,308,48,48);
```

```java
       /*============bell 2=============*/
g.setColor(Color.black);
    g.drawOval(173,335,15,10);
g.setColor(Color.black);
    g.fillOval(173,335,15,10);
    g.drawLine(179,343,177,354);
    g.drawLine(168,316,211,334);
    g.drawLine(166,322,210,340);

       /*============mouth=============*/
g.setColor(Color.black);
    g.drawArc(135,75,220,220,-30,-170);
    g.drawLine(148,105,208,171);
    g.drawLine(117,138,198,183);
    g.drawLine(105,190,192,200);
    g.drawLine(260,238,330,297);
    g.drawLine(269,219,360,253);
    g.drawLine(278,200,375,200);

       /*============left eye=============*/
g.setColor(Color.black);
    int[] l={249,237,228,216,210,210,214,224,237,
            249,260,269,278,284,285,280,268};
    int[] m={63,68,74,84,98,111,122,132,138,
            135,131,125,112,100,83,70,63};
g.drawPolygon(l,m,17);
    g.setColor(Color.white);
    g.fillPolygon(l,m,17);
g.setColor(Color.black);
```

```
150        g.drawLine(237,113,252,106);
151        g.drawLine(252,106,271,107);
152
153        /*============right eye============*/
154    g.setColor(Color.black);
155        int[] n={302,290,284,273,270,273,280,292,305,
156            317,326,333,340,344,342,333,320};
157        int[] o={98,106,104,125,138,153,163,171,173,
158            170,164,156,141,128,111,98,94};
159    g.drawPolygon(n,o,17);
160        g.setColor(Color.white);
161        g.fillPolygon(n,o,17);
162    g.setColor(Color.black);
163        g.drawLine(287,119,296,133);
164        g.drawLine(296,133,298,150);
165
166        /*============nose============*/
167    g.setColor(Color.black);
168        g.drawLine(196,273,245,168);
169        g.drawOval(232,133,40,40);
170    g.setColor(Color.red);
171        g.fillOval(232,133,40,40);
172
173        g.drawOval(248,142,10,10);
174    g.setColor(Color.white);
175        g.fillOval(248,142,10,10);
176    }
177 }
```