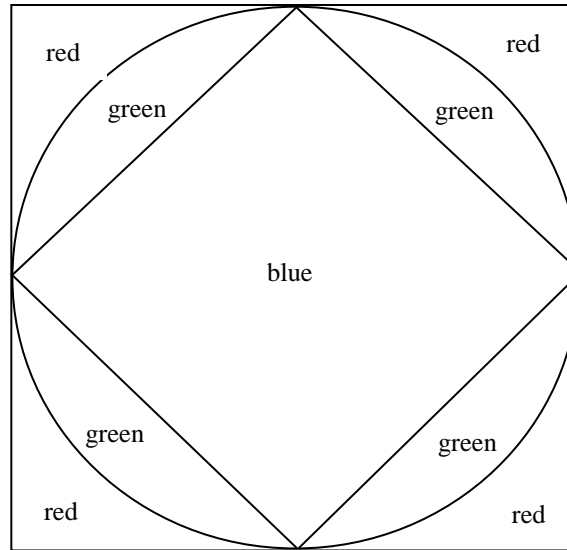1. (10 Points) Write a simple Processing program in passive mode (i.e. without `setup()` and `draw()`)
    that creates the following picture in a window 100 pixels wide and 100 pixels high. Hint: use the
    `quad()` function to draw the inner blue square. Recall that `quad(a, b, c, d, e, f, g, h)`
    draws a quadralateral with corners (a, b), (c, d), (e, f) and (g, h).

Processing Window:


```
// your code starts here



size(100,100);
background(255,0,0);
fill(0,255,0);
ellipse(50,50,100,100);
fill(0,0,255);
quad(0,50,50,0,100,50,50,100);



// your code ends here
```

2. (10 Points) What is printed (to the message window) by the following Processing program. Place the results on the lines below. Note that more lines are provided than you actually need.

```
int a, b, c;
a = 5;
b = a*2;
c = b-3*a;
if ( a<b ) {
  if ( b<=c ) {
    println("one fish");
    a += 1;
  }else{
    println("two fish");
    a -= 1;
  }
}
if( c+1>4 ){
  println("red fish");
  b = 3*c;
}else{
  println("blue fish");
  c = a/2;
}
println(a);
println(b);
println(c);
```

Output:

```
two fish
blue fish
4
10
2
```