

第一章 海龟绘图

```
import turtle
```

1.1 一个简单的小图练习

```
import turtle          # 导入 海龟绘图 模块
turtle.showturtle()    # 显示箭头
turtle.write('苗城玮')  # 写字符串
turtle.forward(300)     # 前进300像素
turtle.color('red')     # 画笔颜色改为red
turtle.left(90)         # 箭头左转90度
turtle.forward(300)
turtle.goto(0, 50)      # 去坐标(0, 50)
turtle.goto(0, 0)
turtle.penup()          # 抬笔
turtle.goto(0, 300)
turtle.pendown()        # 下笔
turtle.circle(100)      # 画圆
```

1.2 坐标系

中间是原点，建立直角坐标系，单位是像素

```
turtle.goto(x, y) # 让海龟去这个坐标点
```

1.3 绘制奥运五环图

```
# 绘制奥运五环
```

```
import turtle
```

```
turtle.width(10)      # 设置画笔宽度
```

```
turtle.color('blue')
turtle.circle(50)
```

```
turtle.penup()
turtle.goto(120, 0)
turtle.pendown()
```

```
turtle.color('black')
turtle.circle(50)
```

```
turtle.penup()
turtle.goto(240, 0)
turtle.pendown()
```

```
turtle.color('red')
turtle.circle(50)
```

```
turtle.penup()  
turtle.goto(60, -50)  
turtle.pendown()
```

```
turtle.color('yellow')  
turtle.circle(50)
```

```
turtle.penup()  
turtle.goto(180, -50)  
turtle.pendown()
```

```
turtle.color('green')  
turtle.circle(50)
```

```
turtle.penup()  
turtle.goto(0, 0)  
turtle.pendown()
```