**数据结构实验报告X（数字）**

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**实验名称**： 蟒蛇的绘制

**实验要求：** 1.根据个人喜好自定义绘制蟒蛇

2.所绘制蟒蛇区别于实例二

**实验题目：自定义Python蟒蛇的绘制**

**算法实现：import turtle**

**snakeColor = ["black","pink","blue","purple","green",]**

**def drawSnake(radius, angle, length):**

**turtle.seth(-40)**

**for i in range(radius):**

**turtle.circle(radius, angle)**

**turtle.circle(-radius, angle)**

**turtle.circle(radius, 2 \* angle)**

**turtle.fd(40)**

**turtle.pendown(16, 180)**

**turtle.fd(40\* 2/3)**

**turtle.setup(650, 350, 200, 200)**

**turtle.penup()**

**turtle.fd(-300)**

**turtle.pendown()**

**turtle.pensize(25)**

**turtle.seth(-50)**

**for i in range(4):**

**turtle.pencolor(snakeColor[i])**

**turtle.circle(40, 80)**

**turtle.circle(-40, 80)**

**i = i + 1**

**turtle.pencolor(snakeColor[i % 5])**

**turtle.circle(40， 80/2)**

**turtle.fd(40)**

**i = i + 1**

**turtle.pencolor(snakeColor[i % 5])**

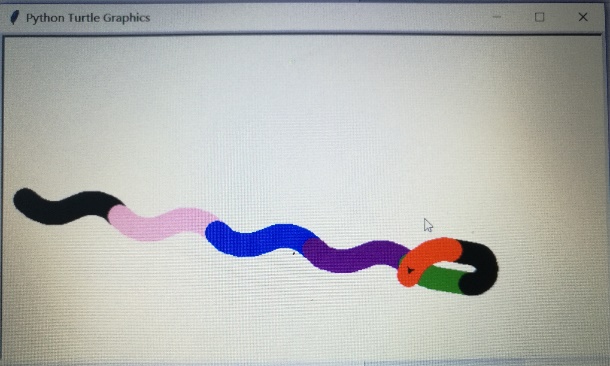
**turtle.circle(16, 180)**

**turtle.fd(40\* 2/3)**

**turtle.pencolor("red")**

**turtle.circle(40, 80, 8)**

**turtle.done()**

**实验结果：**