隐藏箭头

人员

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上周作业检查

李欣齐 已完成

邢志远 已完成

刘敦桐 已完成

冯文浠 已完成

滕宇昂 已完成

陈嘉琦 已完成

王舒颐 已完成

王伯安 已完成

曹耀坤 未打卡

杨佳凝 已完成

作业



课堂表现

课堂整体纪律不错,希望同学们接下来继续保持。

课堂内容

第一步: import turtle 相当于咱们的scratch添加画笔拓展,加了这个才能用。

指令一: 前进turtle.forward(步数) 和咱们的scratch的移动几步是一样的,也可以是负数

指令二: 右转turtle.right(角度度数) 和咱们的scratch的右转几度是一样的,也可以是负数

指令三: 左转turtle.left(角度度数) 和咱们的scratch的左转几度是一样的,也可以是负数

指令四: 抬笔turtle.penup() 即 抬笔

指令五: 落笔 turtle.pendown() 即 落笔

指令六:移动笔的位置到(x,y)点:turtle.goto(x,y) 类似于scratch中的移到(x,y)

指令七: 画圆: turtle.circle(半径) 默认逆时针画圆

半径是正数, 逆时针画圆

半径是负数, 顺时针画圆

指令八:设置画笔的颜色:turtle.pencolor('red') 括号里需要填写颜色的英文单词,用引号引起来

指令九:设置画笔的尺寸:turtle.pensize(100) 括号里需要填写笔的粗细值,默认为1,数字越大,笔就越粗

指令十:设置画圆的角度:turtle.circle(半径,角度)

绘制半径为长度的, 弧度为角度的半圆

默认范围为360度,即整圆

指令十一: 反方向画半圆: turtle.circle(半径,-角度)

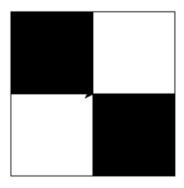
指令十二: 画直径为k的实心圆: turtle.dot(k)

指令十三: 颜色填充的指令: turtle.fillcolor("green") 指定填充的颜色 turtle.begin fill()

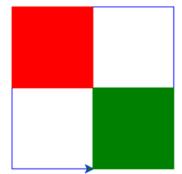
. . .

turtle.end_fill() 填充的起点和终点

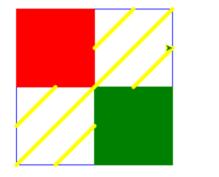
课上案例



```
import turtle
turtle.forward(200)
turtle.right(90)
turtle.forward(200)
turtle.right(90)
turtle.forward(200)
turtle.right(90)
turtle.forward(200)
turtle.right(90)
turtle.begin_fill()
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.end_fill()
turtle.begin_fill()
turtle.goto(100, -100)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.end_fill()
```



```
import turtle
turtle.pencolor("red")
turtle.fillcolor("red")
turtle.begin_fill()
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.end_fill()
turtle.penup()
turtle.goto(100, -100)
turtle.pendown()
turtle.pencolor("green")
turtle.fillcolor("green")
turtle.begin fill()
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.end_fill()
turtle.penup()
turtle.goto(100, 0)
turtle.pendown()
turtle.pencolor("blue")
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.penup()
turtle.goto(0, -100)
turtle.pendown()
turtle.pencolor("blue")
turtle.forward(100)
turtle.left(90)
turtle.forward(100)
```

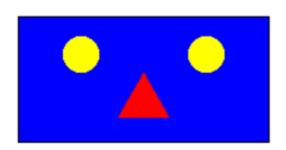


```
import turtle
turtle.pencolor("red")
turtle.fillcolor("red")
turtle.begin_fill()
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.end_fill()
turtle.penup()
turtle.goto(100, -100)
turtle.pendown()
turtle.pencolor("green")
turtle.fillcolor("green")
turtle.begin fill()
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.end_fill()
turtle.penup()
turtle.goto(100, 0)
turtle.pendown()
turtle.pencolor("blue")
turtle.forward(100)
turtle.right(90)
turtle.forward(100)
turtle.penup()
turtle.goto(0, -100)
turtle.pendown()
turtle.pencolor("blue")
turtle.forward(100)
turtle.left(90)
turtle.forward(100)
turtle.pensize(5)
turtle.pencolor("yellow")
```

```
turtle.penup()
turtle.goto(0, -150)
turtle.pendown()
turtle.goto(50, -100)
turtle.penup()
turtle.goto(0, -200)
turtle.pendown()
turtle.goto(100, -100)
turtle.penup()
turtle.goto(50, -200)
turtle.pendown()
turtle.goto(100, -150)
turtle.penup()
turtle.goto(100, -50)
turtle.pendown()
turtle.goto(150, 0)
turtle.penup()
turtle.goto(100, -100)
turtle.pendown()
turtle.goto(200, 0)
turtle.penup()
turtle.goto(150, -100)
turtle.pendown()
turtle.goto(200, -50)
```

新内容

可以 隐藏箭头 和 展示箭头 的指令 turtle.hideturtle(): 隐藏箭头 turtle.showturtle(): 展示箭头



```
import turtle
turtle.fillcolor("blue")
turtle.begin_fill()
turtle.forward(200)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.forward(200)
turtle.right(90)
turtle.forward(100)
turtle.right(90)
turtle.end_fill()
turtle.penup()
turtle.goto(50, -30)
turtle.pendown()
turtle.pencolor("yellow")
turtle.dot(30)
turtle.penup()
turtle.goto(150, -30)
turtle.pendown()
turtle.pencolor("yellow")
turtle.dot(30)
turtle.penup()
turtle.goto(100, -45)
turtle.pendown()
turtle.pencolor("red")
turtle.fillcolor("red")
turtle.begin_fill()
turtle.right(60)
turtle.forward(40)
turtle.right(120)
turtle.forward(40)
turtle.right(120)
turtle.forward(40)
turtle.end_fill()
turtle.hideturtle()
```