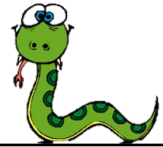




# Python Turtle Instructions



## Basic Turtle Instructions

<code>turtle.forward</code>	Go forward
<code>turtle.backward</code>	Go backward
<code>turtle.right</code>	Turn right
<code>turtle.left</code>	Turn left
<code>turtle.penup()</code>	Lifts the pen up so you can move the turtle without drawing
<code>turtle.pendown()</code>	Drops the pen back onto the screen so you can draw
<code>turtle.fillcolor("Brown")</code>	Changes the fill colour to brown(or other colour)
<code>turtle.pencolor("Red")</code>	Changes the pen colour to red (or other colour)
<code>turtle.begin_fill()</code>	Begins to fill the shape
<code>turtle.end_fill()</code>	End the filling sequence

### Open **IDLE (Python GUI)**

Each of the tasks bellows needs to be completed in a new Python document & saved using the task number as the file name.

### **Task 1 – draw a square with a red line & brown fill colour**

```
import turtle
turtle.fillcolor("Brown")
turtle.begin_fill()
turtle.pencolor("Red")
turtle.forward (100)
turtle.right (90)
turtle.forward (100)
turtle.right (90)
turtle.forward (100)
turtle.right (90)
turtle.forward (100)
turtle.end_fill()
```

### **Task 2**

Draw a square with sides measuring 180 with a purple line & blue fill.

### Task 3 – draw a rectangle

```
import turtle
turtle.forward (150)
turtle.right (90)
turtle.forward (80)
turtle.right (90)
turtle.forward (150)
turtle.right (90)
turtle.forward (80)
```

### Task 4

Add to Task 3 so that two rectangles are drawn on the screen. The second one should have sides of 120 and 190. It needs to have a red line & orange fill. (Use pen up & down to have them both on one program, but not touching each other when drawn on the screen.)

### Task 5 – draw a triangle

```
import turtle
turtle.forward (150)
turtle.right (120)
turtle.forward (150)
turtle.right (120)
turtle.forward (150)
turtle.right (120)
```

### Task 6

Shape	Number sides	External angle
Pentagon	5	72
Hexagon	6	60
Octagon	8	45
Decagon	10	36

Write programs for at least 2 other shapes shown in the table above, each one of them needs to have different colours.