

Incrementors and Decrementors

$i = 0$

$i = i + 1$

$i = 0$

$i += 1$

For Loops

```
for index in range(1, 5):
```

```
    myTurtle.forward(20 * index)
```

```
    myTurtle.right(90)
```

Nested For Loops

(code is at github.com/wendyjan/learnPython)

```
import turtle

if __name__ == "__main__":

    # Draw two squares of different colors.
    # They will be on top of one another.
    alex = turtle.Turtle()
    for tempColor in ["red", "blue"]:
        alex.color(tempColor)
        for side in [1, 2, 3, 4]:
            alex.forward(50)
            alex.right(90)
```

```
import turtle

if __name__ == "__main__":

    # Draw 2 squares of different colors and different sizes.
    # They will be on top of one another but visible as two squares.
    alex = turtle.Turtle()
    for tempColor in ["red", "blue"]:
        alex.color(tempColor)
        for side in [1, 2, 3, 4]:
            # Hint: len("red") is 3 and len("blue") is 4!
            alex.forward(50 * len(tempColor))
            alex.right(90)
```

Lists

```
classmates = ["Kiran",  
              "Priyal",  
              "Isaac",  
              "Jesse",  
              "Amie"]
```

```
myNumbers = [0, 1, 2, 3, 4]
```

Accessing Elements in a List

```
classmates = ["Kiran",  
              "Priyal",  
              "Isaac",  
              "Jesse",  
              "Amie"]
```

```
print (classmates[1])
```