```
In [1]: print("hello, world")
```

```
hello, world
```

```
In [2]: print("Hello, my name is Shauna Ayscue")
```

```
Hello, my name is Shauna Ayscue
```

Let's do some math.

- plus

```
In [4]: print("2+3 = ", 2+3)
```

```
2+3 =  5
```

- multiplication

```
In [5]: print("10*5 = ", 10*5)
```

```
10*5 =  50
```

ASCII ART

```
In [7]: print("  *   ")
        print(" ***  ")
        print("****** ")
```

```
  *
 ***
******
```

Tell me something about you

```
In [8]: print("My favorite color is purple")
        print("My favorite food is pizza")
```

```
My favorite color is purple
My favorite food is pizza
```

Working with libraries

```
In [10]: import datetime
         print("Current time is ", datetime.datetime.now())
```

```
Current time is  2025-08-21 13:10:19.750713
```
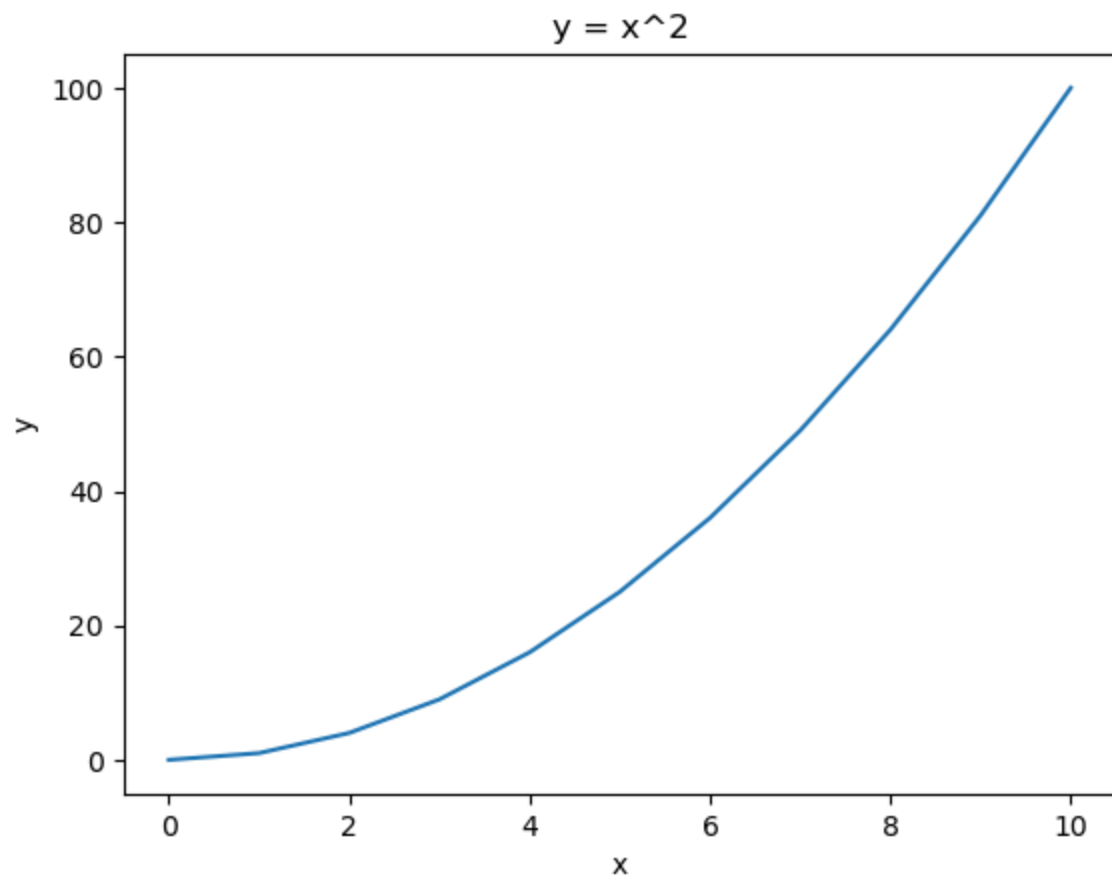
Some Challenges

- Can you print the multiplication table for 5 (1 up to 10)

```
In [12]: for i in range(1,11):
             print("5 * ", i, "=", 5*i)
```

```
5 *  1 = 5
5 *  2 = 10
5 *  3 = 15
5 *  4 = 20
5 *  5 = 25
5 *  6 = 30
5 *  7 = 35
5 *  8 = 40
5 *  9 = 45
5 *  10 = 50
```

Let's do some plotting

```
In [17]: import matplotlib.pyplot as plt

         x = list(range (0,11))
         y =  [i**2 for i in x]

         plt.plot(x,y)
         plt.title(("y = x^2"))
         plt.xlabel("x")
         plt.ylabel("y")
         plt.show()
```

In [ ]: