**Exercise 1:** Create a string, number, list, and boolean, each stored in their own variable.

**my\_string** = “Hello, I am a string”

**my\_number** = 46

**my\_list** = [3,2,1]

**my\_boolean** = False

**Exercise 2:** Use an index to grab the first 3 letters in your string, store that in a variable.

**my\_string** = “Hello World”

**three\_characters** = my\_string[:3]

**print**(three\_characters)

**Exercise 3:** Use an index to grab the first element from your list.

**first\_list\_element** = my\_list[0]

**print**(first\_list\_element)

**Exercise 4:** Create a new number variable that adds 10 to your original number.

**original\_number** = 46

**new\_number** = original\_number + 10

**print**(new\_number)

**Exercise 5:** Use an index to get the last element in your list.

**last\_list\_element** = my\_list[-1]

**print**(last\_list\_element)

**Exercise 6:** Use split to transform the following string into a list.

names = 'harry,alex,susie,jared,gail,conner'

**names** = 'harry,alex,susie,gail,conner'

**names\_list** = names.split(',')

**print**(names\_list)

**Exercise 7:** Get the first word from your string using indexes. Use the upper function to transform the letters into uppercase. Create a new string that takes the uppercase word and the rest of the original string.

**my\_string** ="Hello World"

**first\_word** =my\_string.split()[0]

**uppercase\_first\_word** = first\_word.upper()

**new\_string =** f"{uppercase\_first\_word}{my\_string[len(first\_word):]}"

**print**(new\_string)

**Exercise 8:** Use string interpolation to print out a sentence that contains your number variable.

**my\_number** = 1374821

**print**(f"My number is {my\_number}.")

**Exercise 9:** Print “hello world”.

**print**("hello world")