A Quick Python Homework Assignment for Ryhan because I love her, Part 2

Put this code in the “practice-assignment” folder of Chapter 2

# Problem 1

Open Spyder, navigate to the folder you’d like to store your code (see above), and create a file named “problem1.py”. Print results to the terminal with the [print function](https://realpython.com/python-print/).

1. Make a list named “numbers” with the numbers 1, 2, 3, 4, 5
2. Extract the number 1 from the list and save it to a variable named “one”
3. Repeat part ‘b’ with the number 2, save to the variable named “two”
4. Extract the number 5 using a negative index (a.k.a. “-1”), save to variable “five”
5. Repeat part ‘d’ with the number 4, use a negative index, save to variable “four”

# Problem 2

I recorded my weight for 7 days, and now I have this data.

[230.0, 232.5, 228.7, 229.5, 231.7, 230.4, 234.1].

Save this data to a list, and use the “[sum()](https://realpython.com/python-sum-function/)” and “[len()](https://realpython.com/len-python-function/)” function to compute my average weight.

# Problem 3

Start with this list: scram = “biyoveualybo”

Using your knowledge of indexing into strings to extract letters, and [append()](https://realpython.com/python-append/) them to a new string to reveal the message: “I love you baby”. Make sure to add spaces as well.

# Problem 4

Create a 2D list that mimics this table of totally-real patients, ignore the table headers.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| First Name | Last Name | Weight | Age | BMR |
| Mike | Hawk | 200.57 | 46 | 2000 |
| Ineada | Dickens | 120.35 | 27 | 1800 |
| Big | Johnson | 350.14 | 54 | 2500 |

In this list, find the average weights, ages, and BMR’s of these patients by indexing vertically into the 2D list.