A Quick Python Homework Assignment for Ryhan because I love her, Part 1

I first recommend creating a folder on your Desktop named “py-proj” or something like that. Then in that folder, make another folder named “HW1” or something like that.

# 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. Solve for “y”, Given that “x = 3”.
2. Repeat “a” with “x = 5”.
3. Repeat “a” with “x = -2.89”
4. For each previous part, what was the data type of “y” (i.e., integer, floating point number, etc…)

# Problem 2

Instead of us manually setting the value of “x” each time, how about we ask the user? Write a new script named “problem2.py”.

**First**: Use the [input function](https://www.geeksforgeeks.org/python-3-input-function/) (click the link for a demo on how it works) to ask the user in the terminal what value they would like to use for the value of “x”. Hint: ‘input’ takes input as a string, you’ll need the ‘float’ function as well.

**Second**: Compute “y” given the following function:

**Third**: Print the result back to the user in the terminal with a pretty looking message.

Test this script by running it multiple times and interact with it in your terminal.

# Problem 3

A new TikTok trend has emerged where 20-something girls are computing their BMR and posting it to brag about their health. Unfortunately, these girls don’t want to do the math. To capitalize on the trend, you offer to compute their BMR for a small fee, but with hundreds of clients its just too much to do the math on your cell phone.

Instead, write a script that asks the user for their necessary information (i.e., assume female, ask weight, age, height, whatever else you need) via the input function. Then, compute their BMR and print the result to the terminal. Do your best to make the terminal inputs and outputs look nice.