

Homework 1 - Working with print statement

First we need to create the directory to hold all files and directories we will need for the Python Fundamentals class

Creating the Directory for the class

1. create the top directory by typing the below command in your terminal and hit enter `mkdir python-fundamentals`
2. switch to the above directory you just created `cd python-fundamentals`
3. create another directory in the python-fundamentals directory `mkdir module-1`
4. Now switch to the module-1 directory `cd module-1`
5. if you check your present working deirctetory, you should be in `python-fundamentals/module-1/`

Writing your first program

1. create a new file in the `python-fundamentals/module-1/` directory `touch myfirstprogram.py`
2. open this file in vs code and type the following code `print ("Hello world")`
3. In your terminal, use the python interpreter to run your source file. Make sure to run this command in the right directory. `python myfirstprogram.py`

The above was what we did together in class. If you didn't follow along I recommend you do it all over again to get a good hang of it.

Tasks

Create a file for each task

1. write a program that print the following multiple pieces of data on the same line - **76, 5001, 3.142, "Hello World", True**
2. write a program that print the following pieces of data on multiple lines - **Knock knock., Who's there?, Interrupting cow. Interrupting cow wh-MOO!**
3. copy the following lines of code into a file and add a comment to predict what the lines of code will do

```
print (50, end=" ")
print (1000)
```

4. Using the print statement create the following triangle (Bonus: try to minimize the number of print statement you use) -

```
#
##
###
####
#####
#####
#####
```

5. using a print statement create the following (Bonus: try to minimize the number of print statement you use) -

```

      *
    *  *
  *      *
*          *
*          *
* * *      * * *
  *          *
  *          *
* * * * *

```