

# Assignment 5

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## Python Print() Function

For all exercises, create Python scripts as described in the exercise instructions. Save these scripts in separate files named A5En.py, where n is the exercise number. Submit all script files to Gradescope Assignment 5.

Upon submission, your scripts will automatically be graded for functional correctness.

All exercises are due by 11:59pm on the day indicated in the course schedule. You may correct errors and resubmit your scripts as many times as you like before the due date.

Ensure all `print()` functions are using f-strings. For example:

```
print (f"So, you're {age} old, {height} tall and {weight} heavy.")
```

## EXERCISE 1

Write a Python script that prints the following four sentences on separate lines, exactly as shown, including all punctuation marks and upper/lower case letters:

```
Holy cow! I can't believe I'm programming a computer.  
Scripting in Python is so "freakin" cool!  
Perhaps someday I'll be a Python "guru".  
Someday, I could get a job at spotify\reddit\tinder\alphabet.
```

## EXERCISE 2

Write a Python script that prints the following restaurant order receipt, exactly as shown, including all spacing and using tab characters to separate the two columns:

Food Item	Price
=====	=====
Cheeseburger	\$ 4.99
+ Bacon	\$ 1.00
Fries w/gravy	\$ 2.59
Milkshake	\$ 2.99
-----	
Sub-total:	\$ 11.57
Tax (13%):	\$ 1.50
Total:	\$ 13.07

Notes: Your script does not have to use any variables or perform any calculations

## Exercise 2 - BONUS MARKS

Bonus marks will be awarded if your script does all the following things:

1. Food item prices are stored in descriptively named variables,
2. Those variables are used to print the food item prices,
3. The tax percentage is held in a descriptively named variable,
4. That variable is used to print the tax percentage, and
5. The printed sub-total, tax, and total are calculated by the script.
6. You will need to do some research to figure out how to perform the calculations and round the results to the nearest cent, since we have not yet covered these aspects of Python scripting in the course, but we will soon.

## EXERCISE 3

Write a Python script that creates the following four variables:

```
colour = "red"  
flower = "violet"  
verb = "are"  
line_num = 32
```

And uses the above variables as much as possible to print the following poem exactly as shown:

```
roses are red,  
violets are blue,  
unexpected '{'  
on line 32.
```

## SUBMISSION

3 files named [A5E1.py](#), [A5E2.py](#), [A5E3.py](#)