

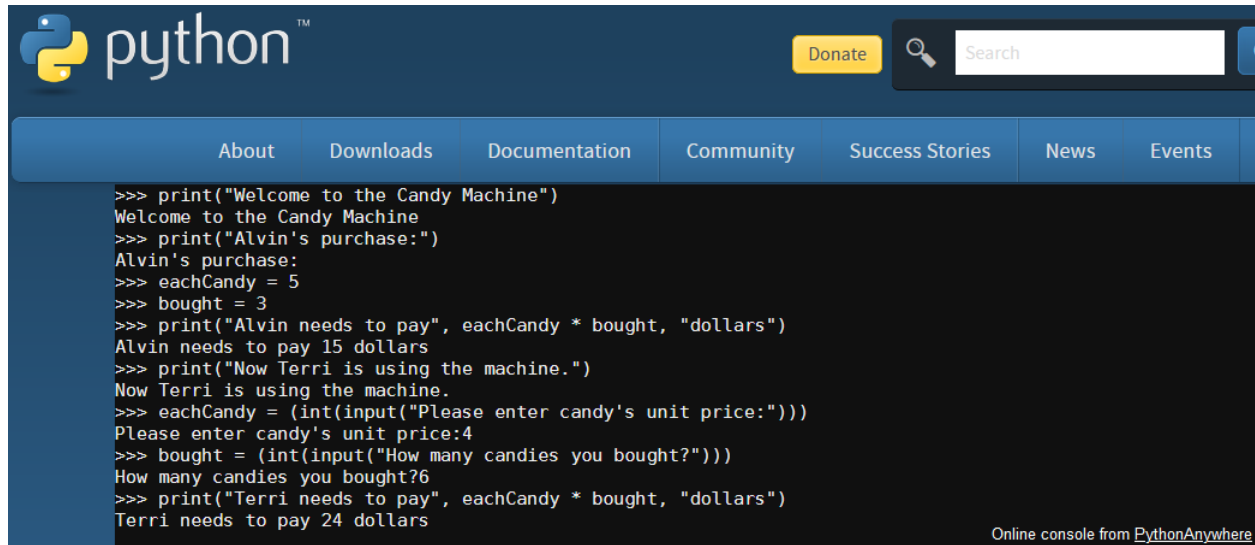
Joseph Siwiecki

Lan Yang

CS 2520.01

Lab 1

Task 1:



The screenshot shows the PythonAnywhere website interface. At the top, there is a dark blue header with the Python logo and the word "python" in white. To the right of the logo is a yellow "Donate" button and a search bar with a magnifying glass icon. Below the header is a navigation bar with several tabs: "About", "Downloads", "Documentation", "Community", "Success Stories", "News", and "Events". The main content area is a dark-themed code editor displaying a Python script. The script simulates a candy machine where Alvin and Terri interact. It uses print statements for output and input() for user input. The script calculates the total cost based on the unit price of candy and the quantity bought. The output shows Alvin's purchase of 5 candies at 3 dollars each, totaling 15 dollars, and Terri's purchase of 6 candies at 4 dollars each, totaling 24 dollars. At the bottom right of the code editor, there is a small text link that says "Online console from [PythonAnywhere](#)".

```
>>> print("Welcome to the Candy Machine")
Welcome to the Candy Machine
>>> print("Alvin's purchase:")
Alvin's purchase:
>>> eachCandy = 5
>>> bought = 3
>>> print("Alvin needs to pay", eachCandy * bought, "dollars")
Alvin needs to pay 15 dollars
>>> print("Now Terri is using the machine.")
Now Terri is using the machine.
>>> eachCandy = (int(input("Please enter candy's unit price:")))
Please enter candy's unit price:4
>>> bought = (int(input("How many candies you bought?")))
How many candies you bought?6
>>> print("Terri needs to pay", eachCandy * bought, "dollars")
Terri needs to pay 24 dollars
```

Online console from [PythonAnywhere](#)

Task 2:

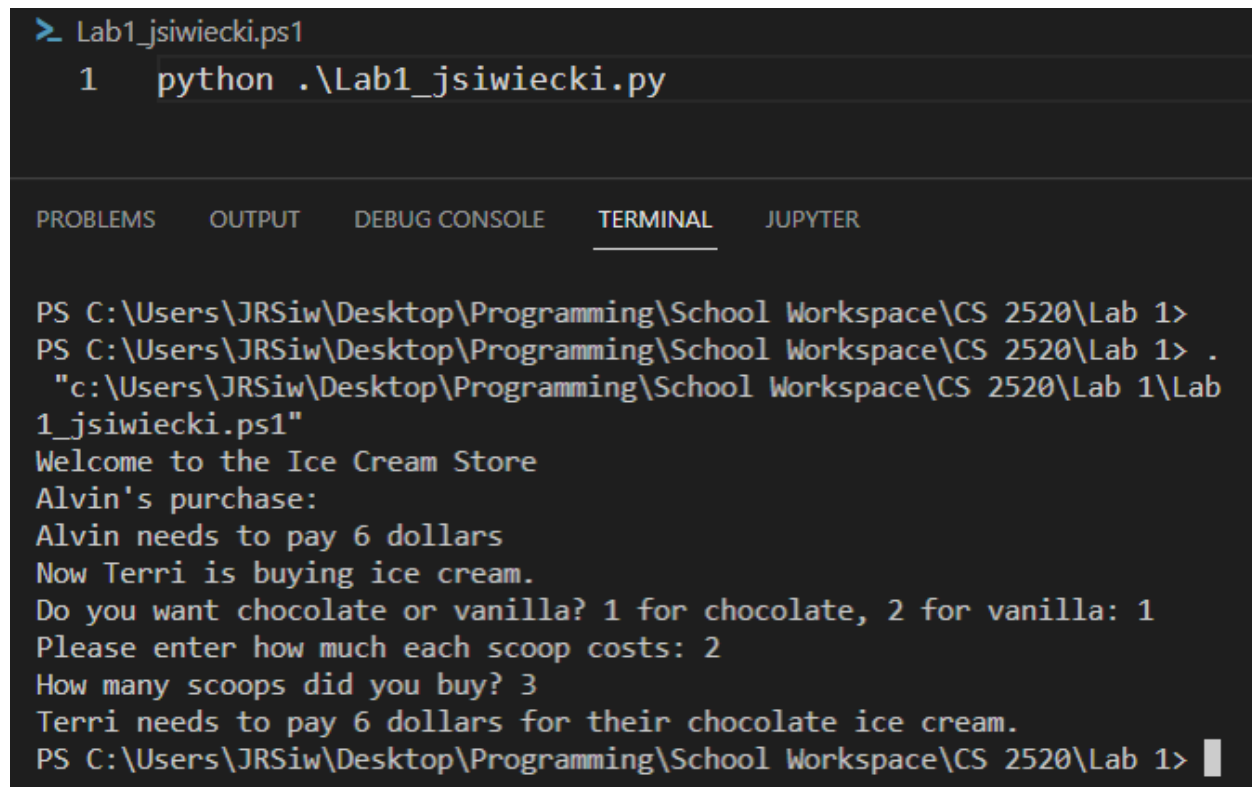
```
Lab1_jsiwiecki.py > ...
1  # Name: Joseph Siwiecki
2  # Class: CS 2520.01
3  # Lab 1 - Task 2
4
5  print("Welcome to the Ice Cream Store")
6
7  print("Alvin's purchase:")
8  eachScoop = 2 # $2 each scoop of ice cream
9  bought = 3 # bought 3 scoops of ice cream
10 print("Alvin needs to pay", eachScoop * bought, "dollars")
11
12 print("Now Terri is buying ice cream.")
13 choice = (int(input("Do you want chocolate or vanilla? 1 for chocolate, 2 for vanilla: ")))
14
15 if choice == 1:
16     iceCreamName = "chocolate"
17 else:
18     iceCreamName = "vanilla"
19
20 eachScoop = (int(input("Please enter how much each scoop costs: ")))
21 bought = (int(input("How many scoops did you buy? ")))
22 print("Terri needs to pay", eachScoop * bought, "dollars for their " + iceCreamName + " ice cream.")
23
24 # Welcome to the Ice Cream Store
25 # Alvin's purchase:
26 # Alvin needs to pay 6 dollars
27 # Now Terri is buying ice cream.
28 # Do you want chocolate or vanilla? 1 for chocolate, 2 for vanilla: 1
29 # Please enter how much each scoop costs: 1
30 # How many scoops did you buy? 3
31 # Terri needs to pay 3 dollars for their chocolate ice cream.
32
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
PS C:\Users\JRSiw\Desktop\Programming\School Workspace\CS 2520\Lab 1> & C:/Users/JRSiw/AppData/Local/Programs/Python/Python310/python.exe "c:/Users/JRSiw/Desktop/Programming/School Workspace/CS 2520/Lab 1/Lab1_jsiwiecki.py"
Welcome to the Ice Cream Store
Alvin's purchase:
Alvin needs to pay 6 dollars
Now Terri is buying ice cream.
Do you want chocolate or vanilla? 1 for chocolate, 2 for vanilla: 1
Please enter how much each scoop costs: 1
How many scoops did you buy? 3
Terri needs to pay 3 dollars for their chocolate ice cream.
PS C:\Users\JRSiw\Desktop\Programming\School Workspace\CS 2520\Lab 1> 
```

Task 3:

This screenshot shows it being run through vscode terminal.

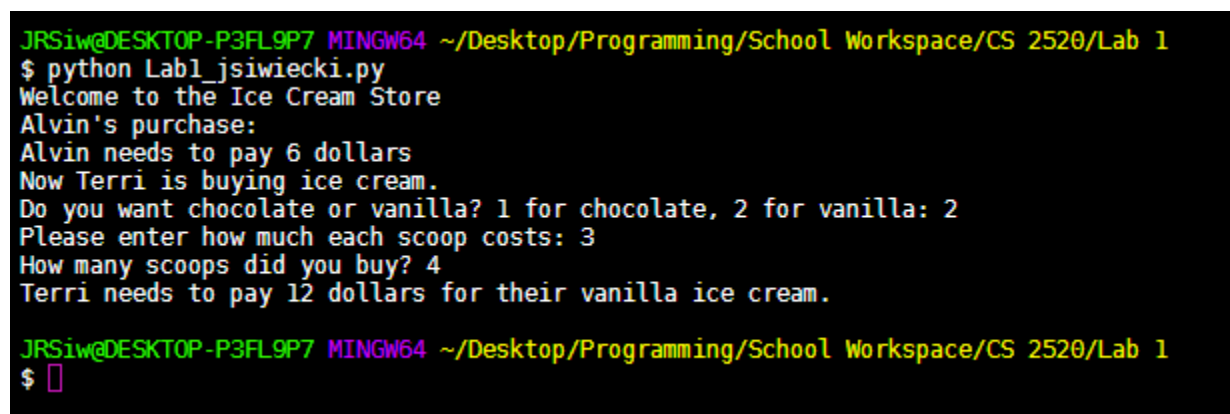


```
> Lab1_jsiwiecki.ps1
1 python .\Lab1_jsiwiecki.py
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
PS C:\Users\JRSiw\Desktop\Programming\School Workspace\CS 2520\Lab 1>
PS C:\Users\JRSiw\Desktop\Programming\School Workspace\CS 2520\Lab 1> .
"c:\Users\JRSiw\Desktop\Programming\School Workspace\CS 2520\Lab 1\Lab
1_jsiwiecki.ps1"
Welcome to the Ice Cream Store
Alvin's purchase:
Alvin needs to pay 6 dollars
Now Terri is buying ice cream.
Do you want chocolate or vanilla? 1 for chocolate, 2 for vanilla: 1
Please enter how much each scoop costs: 2
How many scoops did you buy? 3
Terri needs to pay 6 dollars for their chocolate ice cream.
PS C:\Users\JRSiw\Desktop\Programming\School Workspace\CS 2520\Lab 1>
```

This screenshot shows the program being run through a command line interface.



```
JRSiw@DESKTOP-P3FL9P7 MINGW64 ~/Desktop/Programming/School Workspace/CS 2520/Lab 1
$ python Lab1_jsiwiecki.py
Welcome to the Ice Cream Store
Alvin's purchase:
Alvin needs to pay 6 dollars
Now Terri is buying ice cream.
Do you want chocolate or vanilla? 1 for chocolate, 2 for vanilla: 2
Please enter how much each scoop costs: 3
How many scoops did you buy? 4
Terri needs to pay 12 dollars for their vanilla ice cream.

JRSiw@DESKTOP-P3FL9P7 MINGW64 ~/Desktop/Programming/School Workspace/CS 2520/Lab 1
$
```

I'm unsure which you preferred since you mentioned using a linux/unix environment but then also said you preferred making a script for it, but then in submission it just says to attach a pdf and the .py file