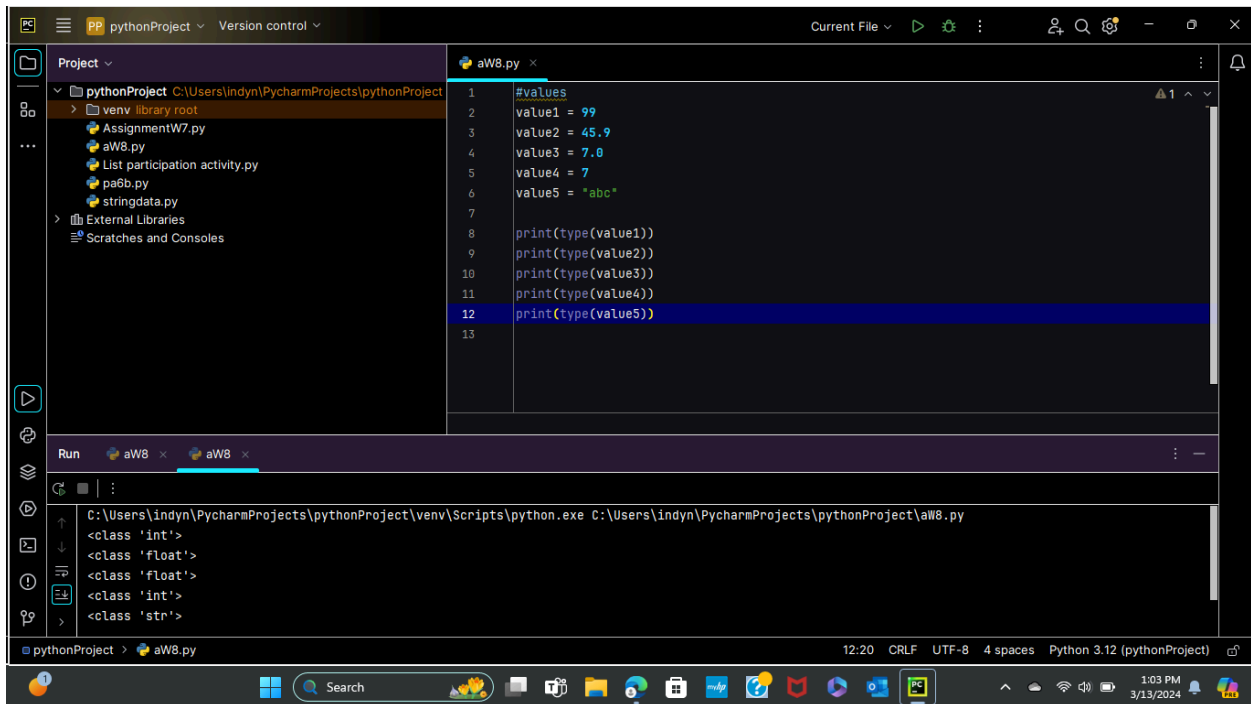India Henry
CYSE250 - 1:30
18 March 2024

1. What is the data type to each value
   a. Integer
   b. Float
   c. Float
   d. Integer
   e. String

2. 0 will be printed after the three lines of code are executed because the value for my_value is replaced in the second line, so when it is called in the third line it displays what the value was most recently assigned as.

3.

```python
#user input for numbers
n1 = int(input("Enter for value 1: "))
n2 = int(input("Enter for value 2: "))
n3 = int(input("Enter for value 3: "))
n4 = int(input("Enter for value 4: "))

#add numbers together
sum = n1+n2+n3+n4
print(sum)

#average of numbers
average = sum/4
print(average)
```

Run output:
```
Enter for value 1: 1
Enter for value 2: 2
Enter for value 3: 3
Enter for value 4: 4
10
2.5
```

4.


```python
#create a list w/ five integer numbers
list1 = [12, 13, 14, 15, 16]

#print elements/items of list 1
print(list1)

#create a second list w/ three string elements
list2 = ["Lansing", "Manchester", "Brighton"]

#concatenate lists together
list3 = list1 + list2
print(list3)
```

Run output:
```
C:\Users\indyn\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\indyn\PycharmProjects\pythonProject\aW8.py
[12, 13, 14, 15, 16]
[12, 13, 14, 15, 16, 'Lansing', 'Manchester', 'Brighton']

Process finished with exit code 0
```