

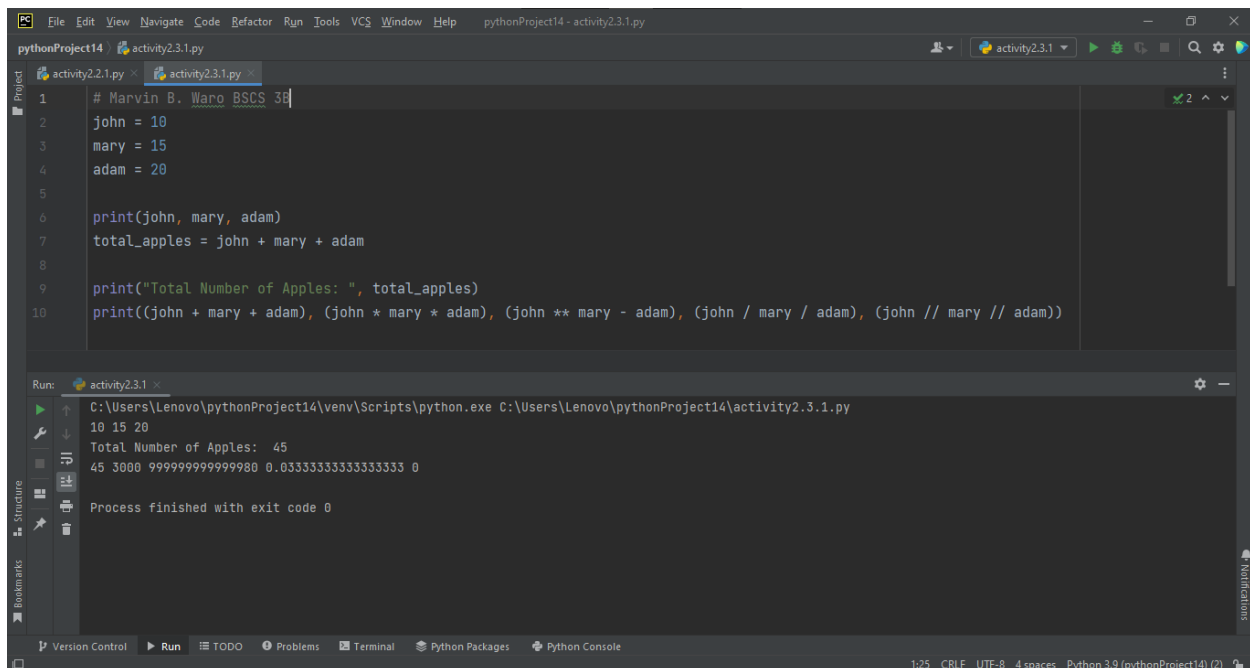
MARVIN B. WARO | BSCS 3B

ACTIVITY 2.3.1

Your task is to:

- create the variables: john, mary, and adam;
- assign values to the variables. The values must be equal to the numbers of fruit possessed by John, Mary, and Adam respectively;
- having stored the numbers in the variables, print the variables on one line, and separate each of them with a comma;
- now create a new variable named total_apples equal to addition of the three former variables.
- print the value stored in total_apples to the console;
- experiment with your code: create new variables, assign different values to them, and perform various arithmetic operations on them (e.g., +, -, *, /, //, etc.). Try to print a string and an integer together on one line, e.g., "Total number of apples:" and total_apples.

OUTPUT:



```
# Marvin B. Waro BSCS 3B
john = 10
mary = 15
adam = 20

print(john, mary, adam)
total_apples = john + mary + adam

print("Total Number of Apples: ", total_apples)
print((john + mary + adam), (john * mary * adam), (john ** mary - adam), (john / mary / adam), (john // mary // adam))
```

Run: activity2.3.1

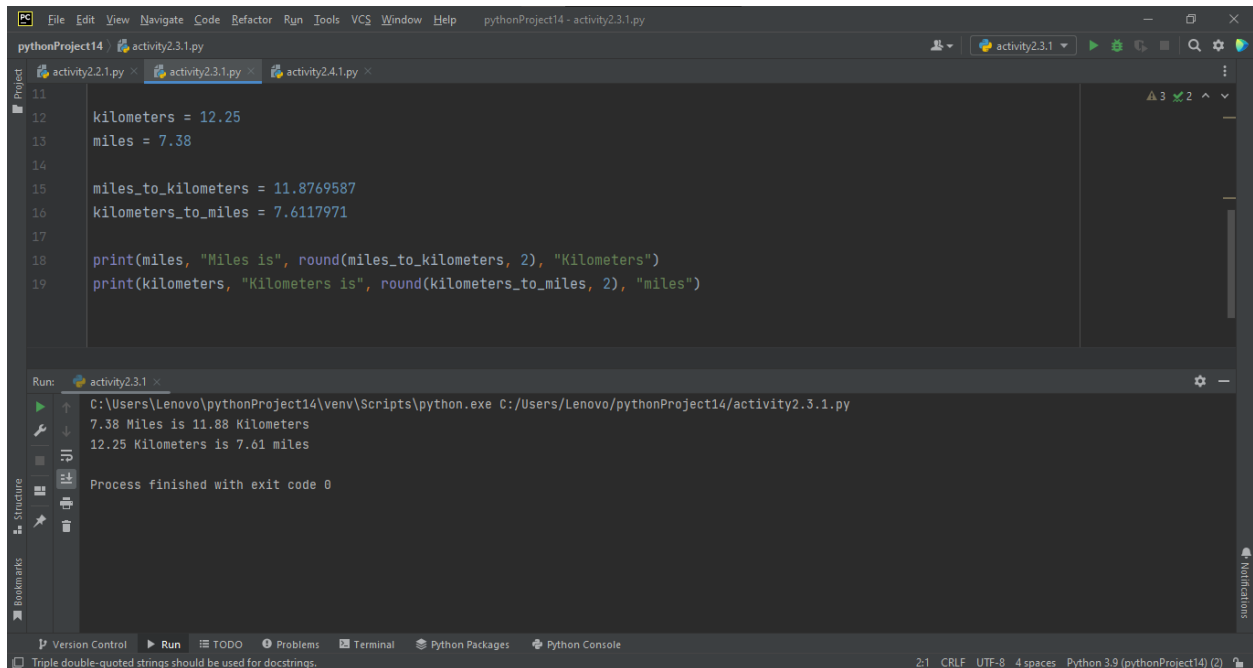
```
C:\Users\Lenovo\pythonProject14\venv\Scripts\python.exe C:\Users\Lenovo\pythonProject14\activity2.3.1.py
10 15 20
Total Number of Apples:  45
45 3000 9999999999999999 0.03333333333333333 0
Process finished with exit code 0
```

1:25 CRLF UTF-8 4 spaces Python 3.9 (pythonProject14) (2)

ACTIVITY 2.3.2

OUTPUT:

So as you can see I just converted them to each other and made a variable to contain them so that I can call them wherever part of the print function statement as shown in the image below.



The screenshot shows a code editor with the following Python code:

```
11
12 kilometers = 12.25
13 miles = 7.38
14
15 miles_to_kilometers = 11.8769587
16 kilometers_to_miles = 7.6117971
17
18 print(miles, "Miles is", round(miles_to_kilometers, 2), "Kilometers")
19 print(kilometers, "Kilometers is", round(kilometers_to_miles, 2), "miles")
```

The Run window shows the output of the code:

```
C:\Users\Lenovo\pythonProject14\venv\Scripts\python.exe C:/Users/Lenovo/pythonProject14/activity2.3.1.py
7.38 Miles is 11.88 Kilometers
12.25 Kilometers is 7.61 miles
Process finished with exit code 0
```

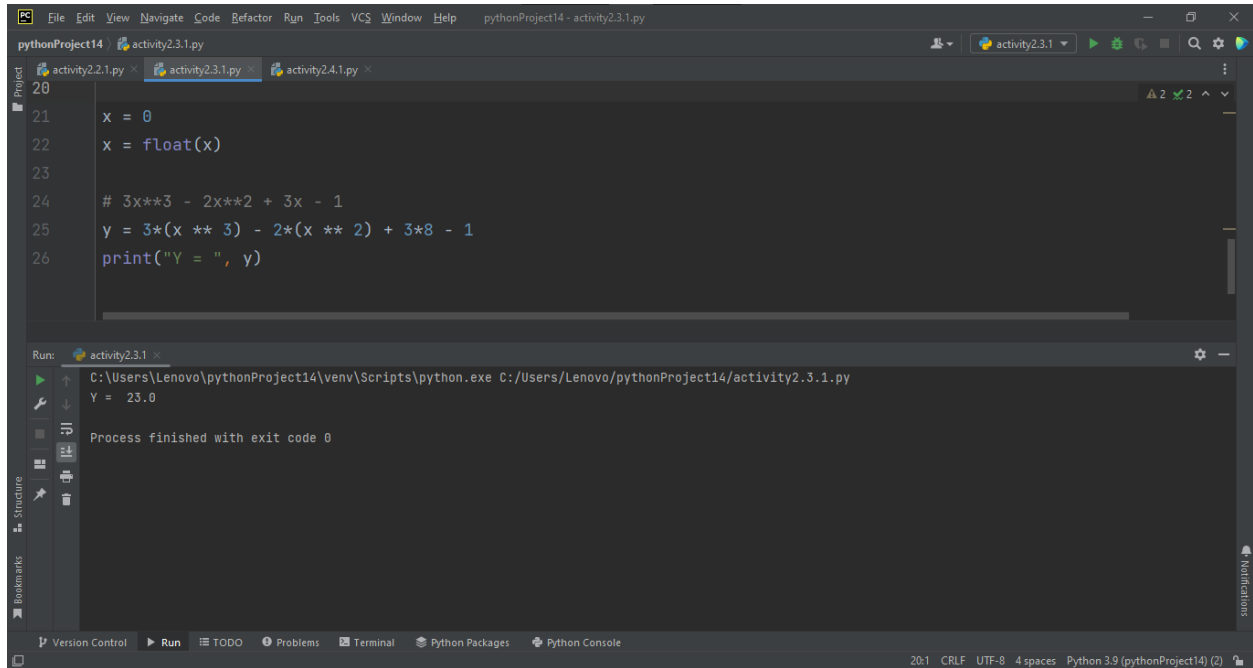
ACTIVITY 2.3.3

Take a look at the code above: it reads a float value, puts it into a variable named x, and prints the value of a variable named y. Your task is to complete the code in order to evaluate

the following expression:

$$3x^3 - 2x^2 + 3x - 1$$

OUTPUT:



The screenshot shows a Python IDE window titled "pythonProject14 - activity2.3.1.py". The editor displays the following code:

```
20
21 x = 0
22 x = float(x)
23
24 # 3x**3 - 2x**2 + 3x - 1
25 y = 3*(x ** 3) - 2*(x ** 2) + 3*8 - 1
26 print("Y = ", y)
```

The "Run" panel at the bottom shows the execution command and output:

```
Run: activity2.3.1
C:\Users\Lenovo\pythonProject14\venv\Scripts\python.exe C:/Users/Lenovo/pythonProject14/activity2.3.1.py
Y = 23.0
Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, 4 spaces, and the Python version is 3.9 (pythonProject14) (2).