*LAB # 02*

VARIABLES AND OPEARTORS

# *OBJECTIVE:*

*Implement different type of data types, variables and operators used in Python.*

HOME task

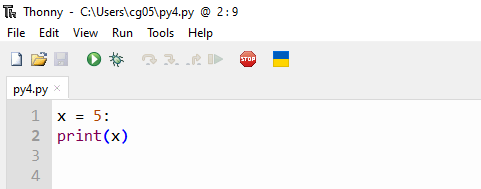
**EXERCISE**

1. ***Point out the errors, if any,and also paste the output in the following Python statements.***

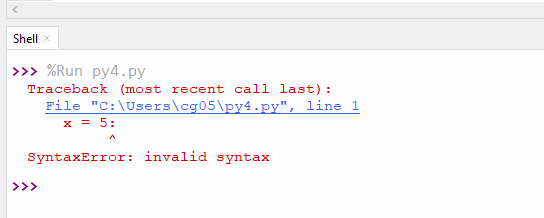
x=5:

print(x)

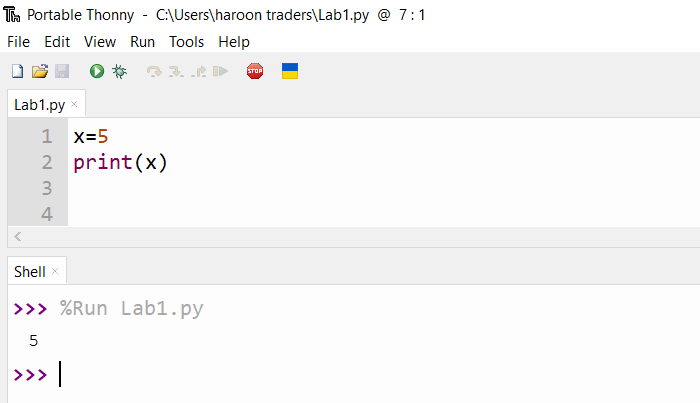
**Code:**



**Output(error):**



**Correct Code is:**

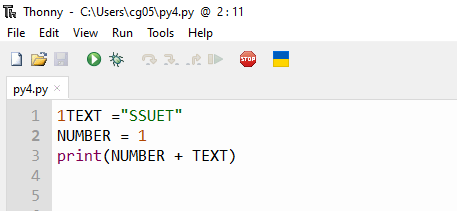


1TEXT = "SSUET"

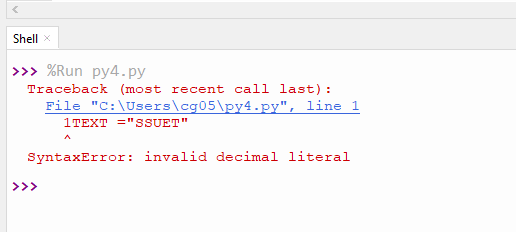
NUMBER = 1

print(NUMBER+ TEXT)

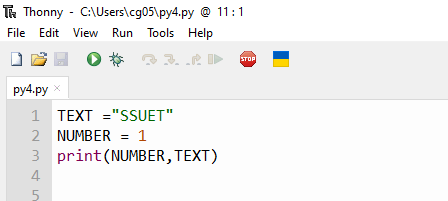
**Code:**



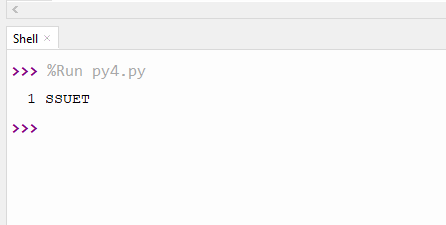
**Output(error):**



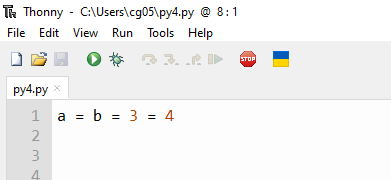
**Correct Code is:**



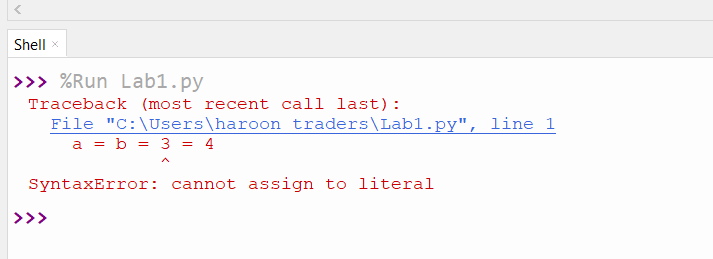
**Output**



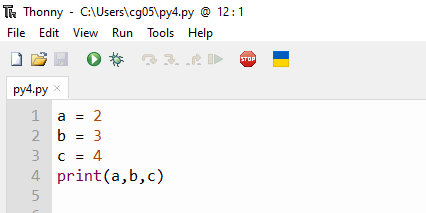
**Code:**



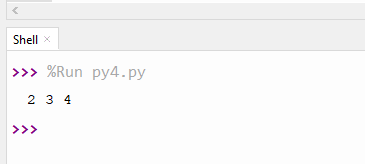
**Output(error):**



**Correct Code is:**



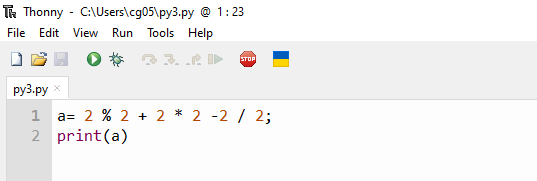
**Output:**



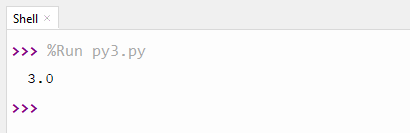
1. ***Evaluate the operation in each of the following statements, and show the resultant value after each statement is executed.***

* **a = 2 % 2 + 2 \* 2 - 2 / 2;**

**Code:**

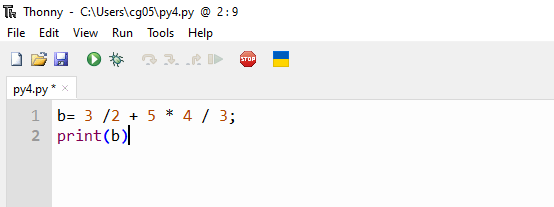


**Output:**

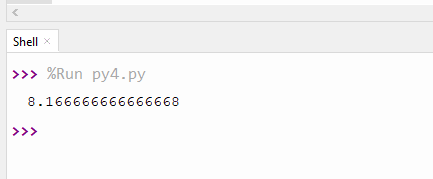


* **b = 3 / 2 + 5 \* 4 / 3 ;**

**Code:**

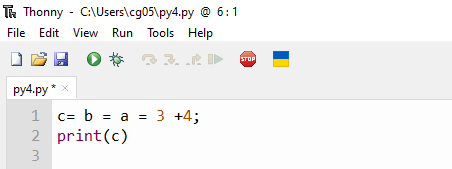


**Output:**

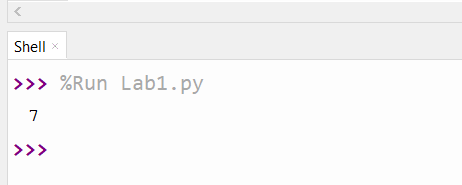


**c = b = a = 3 + 4 ;**

**Code:**

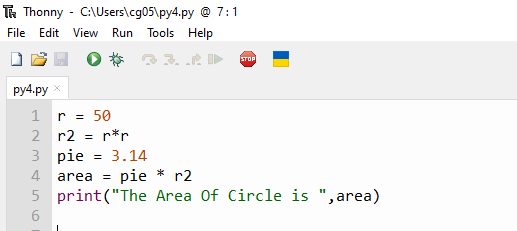


**Output:**

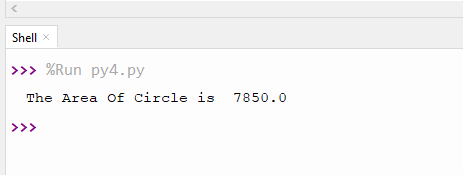


1. ***Write the following Python programs****:*
2. *Write a program that calculates area of a circle . (Consider r = 50).*

**Code:**



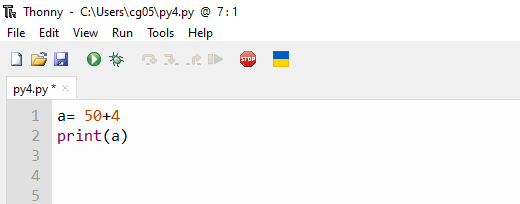
**Output:**



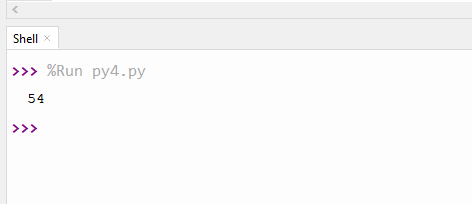
1. *Write a program that performs the following four operations and prints their result on the screen.*

* 50 + 4

**Code:**

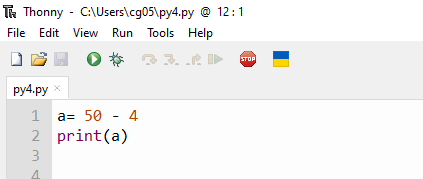


**Output:**

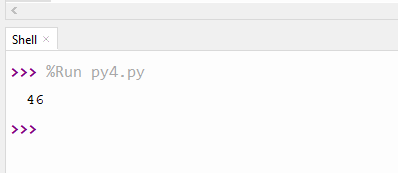


* 50 – 4

**Code:**

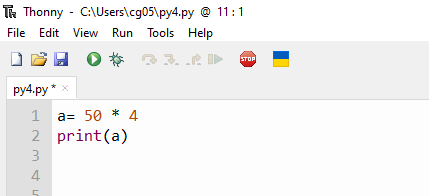


**Output:**

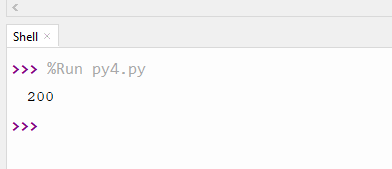


* 50 \* 4

**Code:**

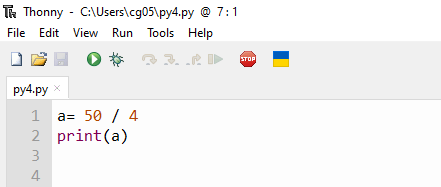


**Output:**

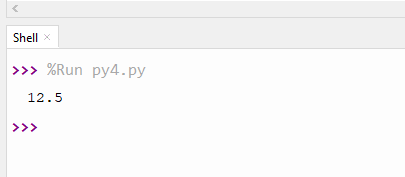


* 50 / 4

**Code:**



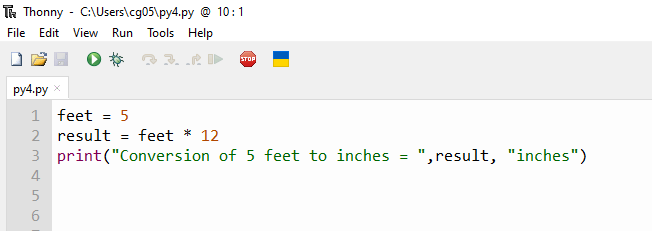
**Output:**



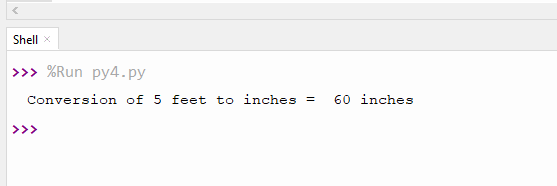
***3. Write a Python program to convert height (in feet and inches) to centimeters. Convert height of 5 feet 2 inches to centimeters.***

* ***First, convert 5 feet to inches: 5 feet × 12 inches/foot = 60 inches***

**Code:**

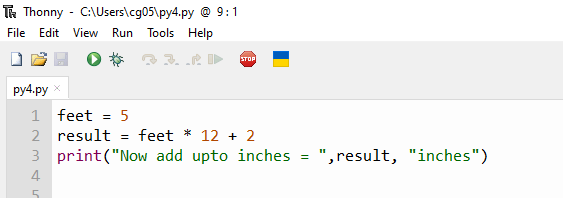


**Output:**

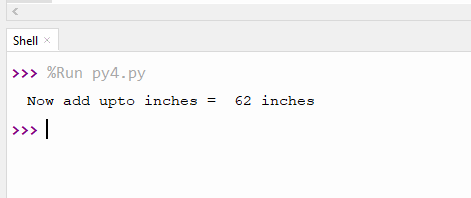


* ***Add up our inches: 60 + 2 = 62 inches***

**Code:**

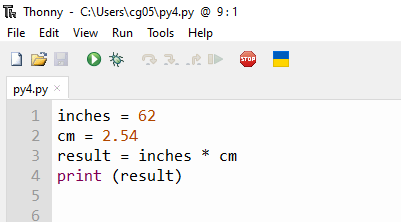


**Output:**

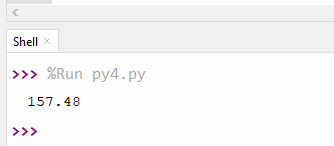


* ***Convert inches to cm: 62 inches × 2.54 cm/inch = 157.48 cm***

**Code:**



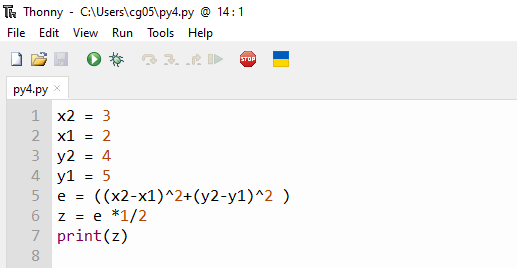
**Output:**



**4**. *Write a program to compute distance between two points by creating variables (Pythagorean Theorem)*

***Distance =((x2−x1)^2+(y2−y1)^2)^1/2***

**Code:**



**Output:**

