

Exercise Lesson 1:

1. Open a shell (standard/ipython) and type the following statements:

numbers and statements

- 213
- 1+2
- 5*(10+1)

integer and float

- 5/2
- 5//2
- 5/2.0
- 5/2*1.0
- 5 / float(2)
- 3/5+2
- 1.0*3/5+2

modulo

- 10%2
- 10%3
- 10%6
- 5.23 % 2
- 5.4 % 0.5

power

- 3**2
- 100**0.5

2. Write a program called "sum-two-args.py" that reads the first two command line arguments after the program name, stores their values as variables, and then prints their sum.

Hint: To read an argument as a number, use the syntax "arg1 = float(sys.argv[1])"

Sample Output : > python sum-two-args.py 1 2
3.0

3. Write a Python program to display the current date and time.

Sample Output : Current date and time : 19/02/2023 16:37:19

4. Write a Python program that calculates the area of a circle based on the radius entered by the user. (Hint: use pi class)

Sample Output : r = 1.1 Area = 3.8013271108436504

