Assignment no.1 -Python_Basics

(use any IDE like script mode, Jupyter notebook or Visual studio code)

1. Write a Python program to calculate the length of a string.
2. Write a Python program to find out what version of Python you are using.
3. Write a Python program to display the current date and time.
4. Write a Python program that calculates the area of a circle based on the radius entered by the user.
5. Write a Python program that accepts the user's first and last name and prints them in reverse order with a space between them.
6. How many data types are there in python? Write them.
7. Print the data types of given inputs
   1.s="I want to become Data Scientist."
   2.x=123
   3.y="1234"
   4.z=1.34
   5.a="hello123"
   6.True
   7.false
8. Write a python program to sum three numbers.
9. Why we use Python? Advantages of python
10. What is mean by variable? What are the rules to declare it?
11. What is mean by keywords? Give some examples of keywords
12. _x=123
    y="Python is easy language."
    1a=500
    a1=500
    a_1=10
    __="This is a string."
    Among this which is the write way of declaring variables?
13. x=y=z=1 ,what does it means?
14. A,b,c="Python",123,12.5..can I declare variables like this?
15. What is mean by literals?
16. What are the different literals
17. What is mean by comment? What are the ways of writing comments
18. What are the different arithmetic operators used in python?
19. X=890 convert the data type integer into string
    Y="125" convert the data type string into integer
    Z="My name is Sarthak"..can I convert the type of this string into integer? Try it ..and give reason why it didn't convert the data type?
    A=235 convert the data type integer into float
20. Take user input of type float and give input as integer…see it will accept integer
21. Take user input of type int and give input as float …see it will not accept the float input .