1. Python Basics

- 1. Write a program to print your name.
- 2. Write a program for a Single line comment and multi-line comments
- Define variables for different Data Types int, Boolean, char, float, double and Console.
- Define the local and Global variables with the same name and print both vari understand the scope of the variables





- 1 name = input("Enter your name: ")
- 2 print(name)



Shell



Enter your name: SANTHOSH KUMAR SANTHOSH KUMAR





- 1 2.Single-line comment and multi-line comment
- 2 # This is a single line comment
- 3 """This is a multi-line comment
- 4 that spans multiple lines."""
- 5 print("SANTHOSH KUMAR")

























```
-<u>;</u>o;-
```

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```
# Define an integer variable
 1
    int_var = 10
2
    # Define a boolean variable
3
4
    bool_var = True
5
    # Define a character variable
    char_var = 'a'
6
    # Define a float variable
7
8
   float_var = 1.23
    # Define a double variable
9
10
    double_var = 1.23456789
11
    # Print the variables
12
    print("int_var:", int_var)
13
    print("bool_var:", bool_var)
14
    print("char_var:", char_var)
15
    print("float_var:", float_var)
16
    print("double_var:", double_var)
```



int_var: 10

main.py

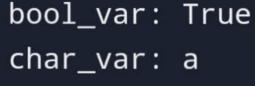
double_var: 1.23456789



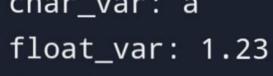














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```
1 def my_function():
      # Define a local variable with the
2
          name "num"
3
      num = 10
     # Print the local variable
4
5
      print("The local variable num is:",
          num)
6
   # Define a global variable with the
        name "num"
    num = 20
7
8
    # Call the my_function() function
9
    my_function()
10
   # Print the global variable
    print("The global variable num is:",
11
```



The local variable num is: 10

Shell



The global variable num is: 20