

1. Python Basics

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



main.py

Shell



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



main.py

Shell



Enter your name: SANTHOSH KUMAR

SANTHOSH KUMAR

> |



main.py

Shell



```
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")
```



main.py

Shell



SANTHOSH KUMAR

> |



main.py

Shell



```
1  # Define an integer variable
2  int_var = 10
3  # Define a boolean variable
4  bool_var = True
5  # Define a character variable
6  char_var = 'a'
7  # Define a float variable
8  float_var = 1.23
9  # Define a double variable
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)
17
```



main.py

Shell



```
int_var: 10
```

```
bool_var: True
```

```
char_var: a
```

```
float_var: 1.23
```

```
double_var: 1.23456789
```

```
> |
```



main.py

Shell



```
1 def my_function():
2     # Define a local variable with the
      name "num"
3     num = 10
4     # Print the local variable
5     print("The local variable num is:",
      num)
6     # Define a global variable with the
      name "num"
7     num = 20
8     # Call the my_function() function
9     my_function()
10    # Print the global variable
11    print("The global variable num is:",
      num)
12
```




main.py

Shell



The local variable num is: 10

The global variable num is: 20

> |