Python_Practice_Day_1

December 29, 2021

[1]:
```
# What is Python Programming?
    # Python is a high level prog lang.
    # Python is an interpreted prog lang.
    # case sensitive
        # NAME and name --> Different
    # python is an object oriented language.
```

[2]:
```
# Why Python?
    # Simple to learn.
    # Easy and short syntax.
    # Lots of libraries.(Set of code)
    # Platform Independent(Code can be run in any type of OS)
        # This is one of the main functionaity of Python.
    # Great community Support.
```

[3]:
```
print("My name is Sri Harsha")
```

```
My name is Sri Harsha
```

[4]:
```
print(2+2)
```

```
4
```

[5]:
```
print(2+2*6)
```

```
14
```

1 Variables

[6]:
```
# Variable is a sort of container used to store data values.
```

[7]:
```
name = "Sri Harsha"
print(name)
```

```
Sri Harsha
```

[11]:
```
# Static Allocation
num1 = 5
```

```
num2 = 10
sum = num1 + num2
print(sum)
```

```
15
```

[12]:
```
num1,num2,num3,num4 = 10,20,30,40
print(num1,num2,num3,num4)
```

```
10 20 30 40
```

[13]:
```
# Dynamic Allocation of values
num1 = int(input("Enter the value of num1: "))
num2 = int(input("Enter the value of num2: "))
sum = num1 + num2
print(sum)
```

```
Enter the value of num110
Enter the value of num220
30
```

[14]:
```
# Dynamic Allocation of values
num1 = int(input("Enter the value of num1: "))
num2 = int(input("Enter the value of num2: "))
sum = num1 + num2
print(sum)
```

```
Enter the value of num1: 100
Enter the value of num2: 200
300
```

2 Data Types in Python

[15]:
```
# We can store different forms of data
    # int
    # float (decimal)
    # string
    # boolean(True/False)
    # complex(combination of real +imaginary number--> a+ib)
```

[16]:
```
a = 15
print(type(a))
```

```
<class 'int'>
```

[17]:
```
name = "Harsha"
print(type(name))
```

```
<class 'str'>
```

[18]:
```
num1 = 10.02
print(type(num1))
```

```
<class 'float'>
```

[20]:
```
a = 4
b = 10
print(a>b)
print(a<b)
```

```
False
True
```

[21]:
```
number = 60 + 70j
print(type(number))
```

```
<class 'complex'>
```