

Aarya Vijay Arban

S11 - 07

Assignment –01: Variables and Data type

Code:

```
name="Aarya Vijay Arban"
```

```
Occupation="Student"
```

```
Institute="Thadomal Shahani Engineering College"
```

```
print(name)
```

```
print(Occupation)
```

```
print(Institute)
```

```
print("Hello")
```

```
print("Welcome to Python Class")
```

```
if 2<4:
```

```
    print("2 is less than 4")
```

```
if 5>2:
```

```
    print("Five is greater than 2")
```

```
    print("Five is greater than 2")
```

```
if 5>2:
```

```
    print("Five is greater than 2")
```

```
if 5>2:
```

```
    print("Five is greater than 2")
```

```
#This is a single line comment
```

```
"""
```

```
This
```

```
is a
```

```
multi-line comment
```

```
"""
```

```
x=15
```

```
print(x)
```

```
print(type(x))
```

```
y="Aarya"
```

```
print(y)
```

```
print(type(y))
```

```
z=1.5
```

```
print(z)
```

```
print(type(z))
```

```
#Casting - To specify type of a variable
```

```
x=str("Aarya")
```

```
y=int(6)
```

```
z=float(9)
```

```
print(x)
```

```
print(y)
```

```
print(z)
```

```
a=10
```

```
A="Arban"
```

```
print(a)
```

```
print(A)
```

```
#Legal Variable Names
```

```
variable1 = "Aarya"
```

```
myVariable_1 = "Vishakha" #Camel Case
```

```
_variable1 = "Vijay"
```

```
V_a_r_i_a_b_l_e_1 = "Arban" #Snake Case
```

```
MyVariable = "Tanvi" #Pascal Case
print(variable1)
print(myVariable_1)
print(_variable1)
print(V_a_r_i_a_b_l_e_1)
print(MyVariable)

# Assign Multiple Values
x,y,z = "Blue","Green","Yellow"
print(x)
print(y)
print(z)
x=y=z = "Orange"
print(x)
print(y)
print(z)

#Unpack a Collection
fruits = ["Apple","Banana","Cherry"]
x,y,z = fruits
print(x)
print(y)
print(z)

x=5
y="Aarya"
#print(x+y)
print(x,y)
```

Output:

===== RESTART: C:/Users/Lab1004/Desktop/S11-07 Python/S11-07-Assignment1.py

=====

Aarya Vijay Arban

Student

Thadomal Shahani Engineering College

Hello

Wecome to Python Class

2 is less than 4

Five is greater than 2

Five is greater than 2

Five is greater than 2

Five is greater than 2

15

<class 'int'>

Aarya

<class 'str'>

1.5

<class 'float'>

Aarya

6

9.0

10

Arban

Aarya

Vishakha

Vijay

Arban

Tanvi

Blue

Green

Yellow

Orange

Orange

Orange

Apple

Banana

Cherry

5 Aarya