Variable ,Operator and Typecasting in Python

Variable

A variable is like a box where you can store something in Python.

- You can store numbers, text, or other things.
- You can use the box name to get the value later.

Example:

```
1 age = 26
2
3 name = "ruhit"
4
5 print(age)
6 print(name)
7
```

```
print(age) # Output: 20
```

print(name) # Output: Ruhit

Data Types In Python

```
1 a = 1 # a is a integer
2 b = 2.11 # b is a floating point number
3 c = "Ruhit" #c is a string
4 d = True # d is a boolean variable
5 e = None # e is a none type variable
6
7 print(a,b,c,d,e)
```

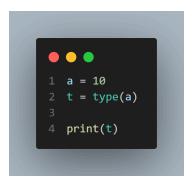
Operators in Pyhton

- 1. Arithmetic Operators: +,-,*,/ etc
- 2. Assignment Operators: =,+=,-= etc
- 3. Comparison Operators: ==,>,>=,<,!= ect
- 4. Logical Operators: and, or, not.

type() function:

• type() tells Python what type of data a variable has.

Example:



Output: <class 'int'>

Typecasting

• Typecasting means changing a variable from one type to another.

Example:

```
1  a = "10.23"
2  b = float(a)
3  t = type(b)
4  f = type(a)
5
6  print(t)
7  print(f)
```

Output:

<class 'float'>

<class 'str'>

The input() function lets the user type something into the program.

• Whatever the user types is always stored as a string.

```
1 a = int(input("Enter First Number: "))
2 b = int(input("Enter Second Number: "))
3
4 print("First Number is: ",a)
5 print("Second Number is: ",b)
6 print ("Sum is: ",a+b)
```

Output:

Enter First Number: 10

Enter Second Number: 20

First Number is: 10

Second Number is: 20

Sum is: 30

```
1 a = input("Enter First Number: ")
2 b = input("Enter Second Number: ")
3
4 print("First Number is: ",a)
5 print("Second Number is: ",b)
6 print ("Sum is: ",a+b)
```

Output:

Enter First Number: ru

Enter Second Number: hit

First Number is: ru

Second Number is: hit

Sum is: ruhit