

# Python Variables, Data Types and Operators

Roman Urdu Study Notes

## 1. Variables in Python

Variable ek container hota hai jo value store karta hai. Python me variable banane ke liye type likhne ki zarurat nahi hoti.

### 10 Examples

```
1 x = 10
2 print(x)
3
4 name = "Ali"
5 print(name)
6
7 age = 20
8 print(age)
9
10 salary = 50000
11 print(salary)
12
13 city = "Karachi"
14 print(city)
15
16 a = 5
17 b = 3
18 print(a + b)
19
20 num = 100
21 print(num - 50)
22
23 marks = 85
24 print(marks)
25
26 temperature = 35.5
27 print(temperature)
28
29 status = True
30 print(status)
```

## 2. Data Types in Python

Data type batata hai ke variable kis type ki value store kar raha hai.

Main data types:

- int (Integer)
- float (Decimal)
- str (String)
- bool (True/False)

### 10 Examples

```
1 x = 10
2 print(type(x))
3
4 y = 3.14
5 print(type(y))
6
7 name = "Python"
8 print(type(name))
9
10 status = True
11 print(type(status))
12
13 num = -5
14 print(type(num))
15
16 price = 99.99
17 print(type(price))
18
19 text = "Hello"
20 print(type(text))
21
22 flag = False
23 print(type(flag))
24
25 value = 0
26 print(type(value))
27
28 number = 1000
29 print(type(number))
```

## 3. Operators in Python

Operator value par operation perform karta hai.

## Arithmetic Operators

- + (Addition)
- - (Subtraction)
- \* (Multiplication)
- / (Division)
- % (Remainder)
- \*\* (Power)
- // (Floor Division)

## 10 Examples

```
1 print(5 + 3)
2 print(10 - 2)
3 print(4 * 6)
4 print(20 / 4)
5 print(10 % 3)
6 print(2 ** 3)
7 print(15 // 2)
8 print(7 + 8)
9 print(9 - 4)
10 print(6 * 2)
```

## Conclusion

Is document me hum ne cover kiya:

- Variables
- Data Types
- Operators

Student ko chahiye ke har example khud run kare aur values change karke practice kare.