

## Chapter 5: Operators, type(), typecasting , userInput

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12:26 PM

### Common Operators in Python

- **Arithmetic Operators:** +, -, \*, /, %, \*\* etc.
- **Assignment Operators:** =, +=, -=
- **Comparison Operators:** ==, >, >=, <
- **Logical Operators:** and, not, or

### type():

- type() function is used to find the data type of a variable in python.

Ex:

```
a=58
```

```
type(a) => class <int>
```

```
Name = "Randrita"
```

```
type(Name) => class<str>
```

### Typecasting

- Typecasting is a process of converting the datatype of a variable from one to another

Integer to String casting -> str( )

```
a=5
```

```
a=str(a) -> Integer to String conversion
```

Integer to Float conversion -> float( )

```
a=5
```

```
a=float(a) -> Integer to float conversion
```

String to Integer conversion

```
a="12345"
```

```
a=int(a) -> String to Integer conversion
```

### input()

- This function allows end user to give input from the keyboard via typing in a string format.

```
a=input( "Enter Your Name" ) -> It will take input in string format
```

```
a=input( "Enter your age" ) -> It will take input in string format only even though it's a number
```

