

Python Variables :-

CREATING VARIABLES:-

Variables are containers for storing data values.

Unlike other programming languages, Python has no command for declaring a variable.

A variable is created the moment you first assign a value to it.

```
x = 5
y = "John"
print(x)
print(y)
```

Variables do not need to be declared with any particular type and can even change type after they have been set.

```
x = 4 # x is of type int
x = "Sally" # x is now of type str
print(x)
```

String variables can be declared either by using single or double quotes:

Example:-

```
x = "John"

# is the same as

x = 'John'
```

VARIABLE NAMES:-

A variable can have a short name (like x and y) or a more descriptive name (age, carname, total_volume). Rules for Python variables:

- A variable name must start with a **letter or the underscore character**
- A variable name cannot start with a number
- A variable name can only **contain alpha-numeric characters and underscores (A-z, 0-9, and _)**
- Variable names are **case-sensitive** (age, Age and AGE are three different variables)

Example

#Legal variable names:

```
myvar = "Metaeducators"
```

```
my_var = "Metaeducators"
```

```
_my_var = "Metaeducators"
```

```
myVar = "Metaeducators"
```

```
MYVAR = "Metaeducators"
```

```
myvar2 = "Metaeducators"
```

#Illegal variable names:

```
2myvar = "Metaeducators"
```

```
my-var = "Metaeducators"
```

```
my var = "Metaeducators"
```

Remember that variable names are case-sensitive

[Hindi] Let's see, what is Variable in python ?

metaeducators



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