Full stack web development using python
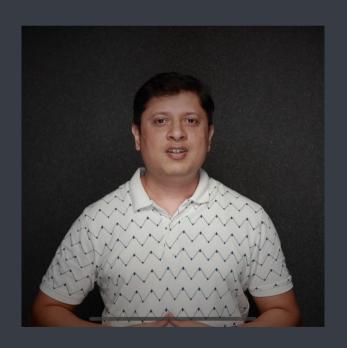
Local and Global variables

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Agenda

① Local variables

② Global Variables

③ Name conflict

④ Accessing global variable in a function

⑤ Accessing local and global variable in the same function

Local Variables

```
def f1():
    x=10
    print(x)


f1()
```

- x is a local variable

- Life of x is limited to the function

- Scope of x is in the body of function f1() only.

Global Variable

```
x = 20
def f1():
    print(x)


f1()
Print(x)
```

Variables declared outside function and class are global variables.

Life of global variable is till the end of program.

scope is global

you can access global variables inside any function

Name Conflict

```
x = 20
def f1():
    x = 10
    print(x)

f1()
print(x)
```

How to access global variable in a function?

```python
x = 20
def f1():
    global x
    x = 10
    print(x)

f1()
print(x)
```

How to access local & global variables in a function?

```
x = 20
def f1():
    x = 10
    print(globals()['x'], x)

f1()
print(x)
```