# Python

Suresh Techs

Suresh techs

Namespace - Scope

## Chapter 9

# Suresh techs – Technology and Entertainment

## Subscribe

Subscribe: You don't miss our future videos

## Doubts

Follow In Instagram #sureshtechs

- Link in the description
- Clear your doubts chatting with me

# What is current role number?

- Used to uniquely identify the person
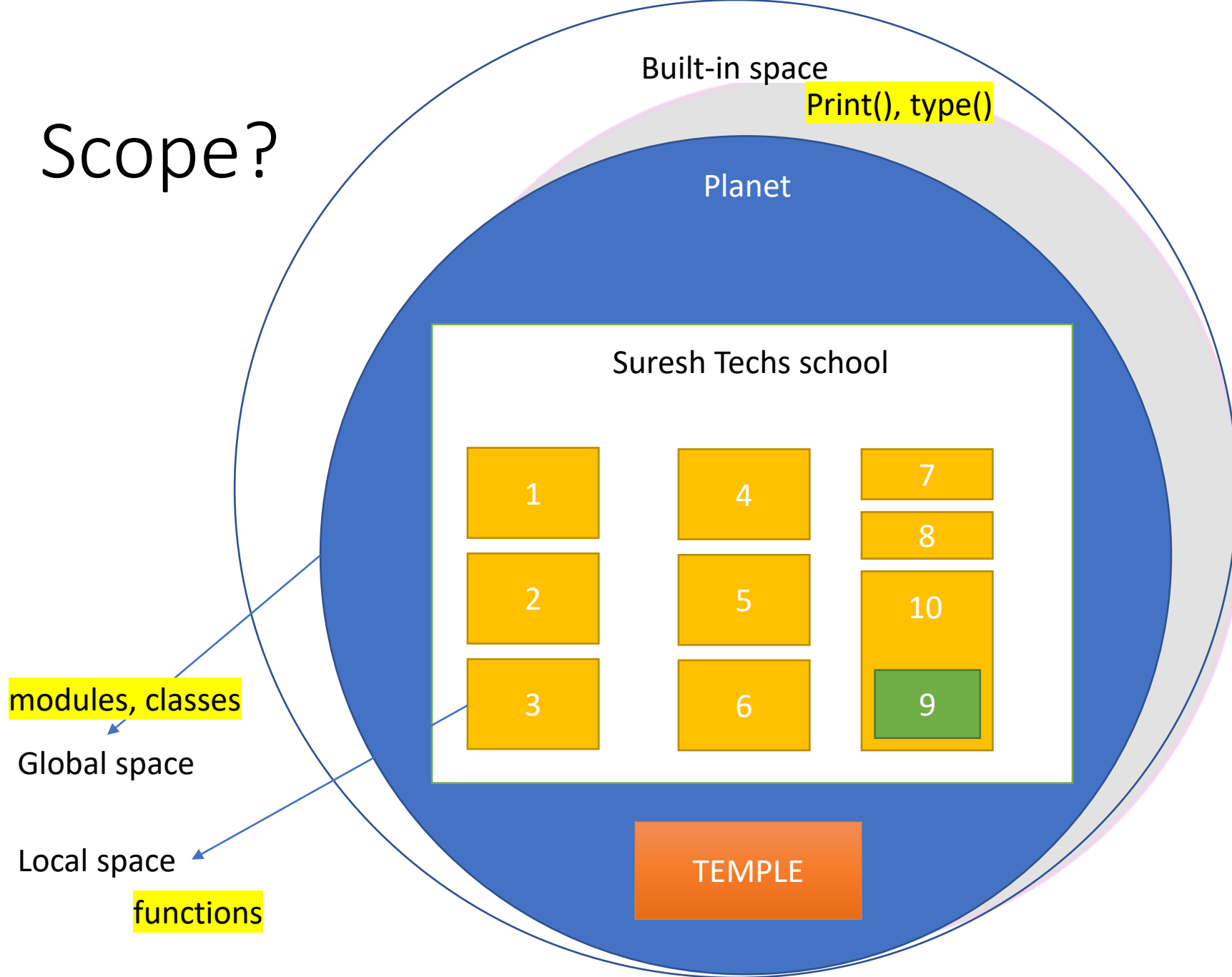- Two persons cannot have same roll number

Suresh Techs

# Name space

- Unique name for each and every object

- Python also doesn't have same name for objects(variable, method) with in a single scope

- What is this scope?

# Scope?

Built-in space

Print(), type()

Planet

## Suresh Techs school

| | | |
|---|---|---|
| 1 | 4 | 7 |
| 2 | 5 | 8 |
| 3 | 6 | 10 |
| | | 9 |

TEMPLE

modules, classes

Global space

Local space

functions

వర్షం పడింది

Class 4 లో గొడవ జరిగింది

గుడిలో గంట మోగింది

Subscribe చేసుకోండి

# Let's see some programs

## Subscribe

Subscribe: You don't miss our future videos

## Doubts

Follow In Instagram #sureshtechs

- Link in the description
- Clear your doubts chatting with me

```python
sum=10
def calculate():
    currentSum = 200
    totalSum=sum+currentSum
    print(totalSum)


calculate();
```

```
210
```

```python
sum=10
def calculate():
    currentSum = 200
    totalSum=sum+currentSum
    print(totalSum)


calculate();
print(currentSum)
```

```
210
Traceback (most recent call last):
  File "namespace.py", line 8, in <module>
    print(currentSum)
NameError: name 'currentSum' is not defined
```

```python
sum=10
def calculate():
    sum=30
    currentSum = 200
    totalSum=sum+currentSum
    print(totalSum)


calculate();
```

```
230
```

```python
sum=10
def calculate():
    sum = 30
    sum = sum + 20
    currentSum = 200
    totalSum=sum+currentSum
    print(totalSum)

calculate();
print(sum)
```
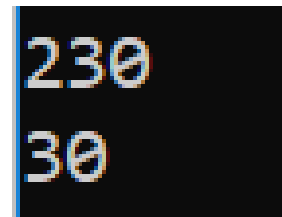
```
250
10
```

```python
sum=10
def calculate():
    global sum
    sum = sum + 20
    currentSum = 200
    totalSum=sum+currentSum
    print(totalSum)


calculate();
print(sum)
```
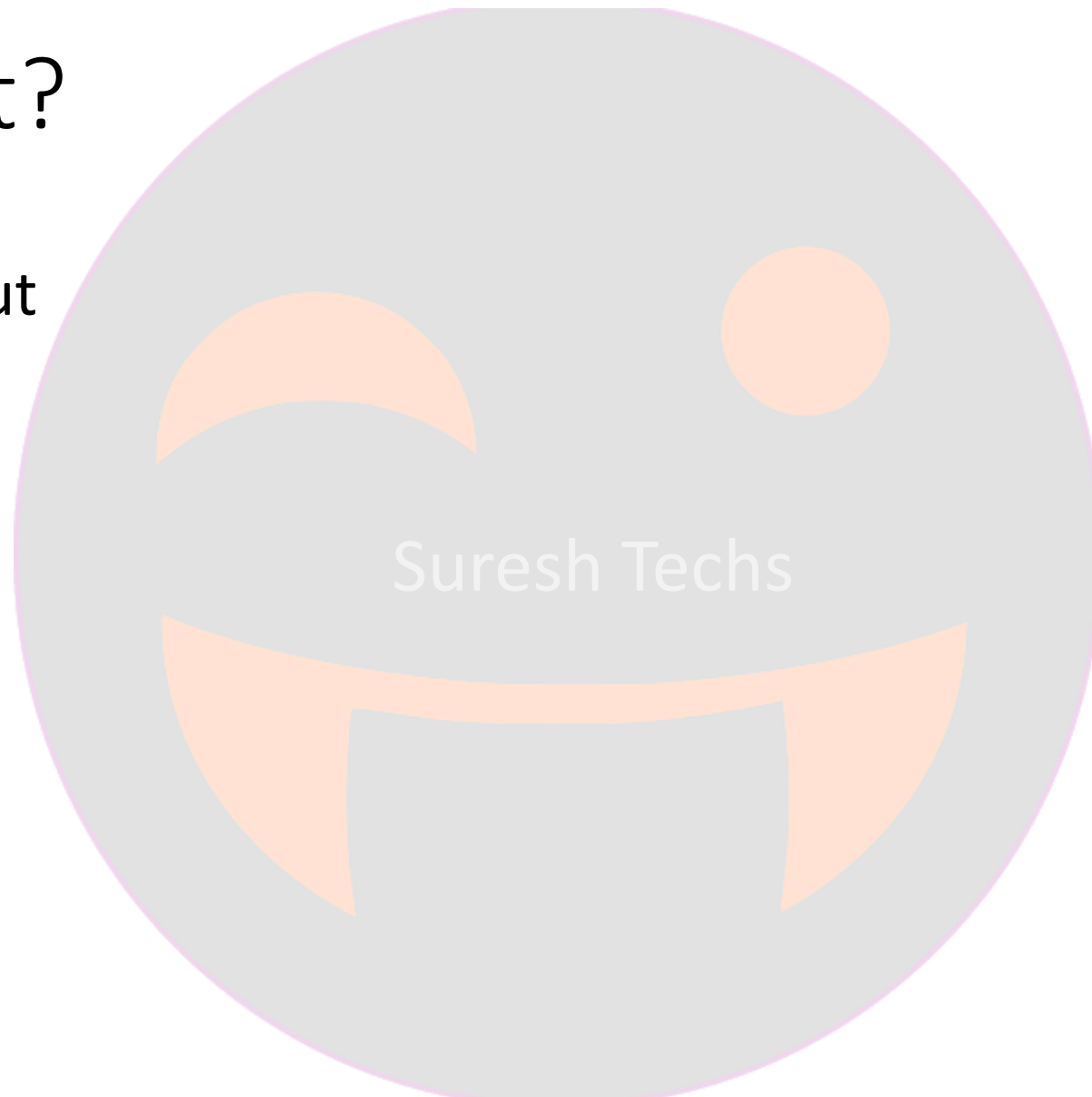
```
230
30
```

# Big projects

- Scopes are important to understand as we slowly star working on big projects in our advanced python course.

- It is even **hot / important concept** in python coding rounds

Suresh Techs

# What next?

- Input & Output

PYTHON

చిన్న బ్రేక్

చిటికలో వచ్చేస్తా

#sureshtechs