Python

Statements & Indentation & Comments

Chapter 6

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Statement

- Any **executable instruction** that tells computer to perform a specific action is called a **statement.**

These are few statements

```python
subscribed = True
followed = True


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

Statements

- **Statements:** Instructions written in the **source code** for execution are called statements

- **Multi-line statements:** statements can be extended to one more lines using parenthesis(), braces {}, brackets [] etc…

- Note: Any executable instruction that tells computer to perform a specific action is called a statement.

Block

- Group of statements is called a block

```
int getNumberOfBathRooms(){
    return numberOfRooms;
}
```

NOTE: Python uses indentation to highlight the code

Indentation

- All statements with the same distance to the right will make one block of code

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

calculate();
print(sum)
```
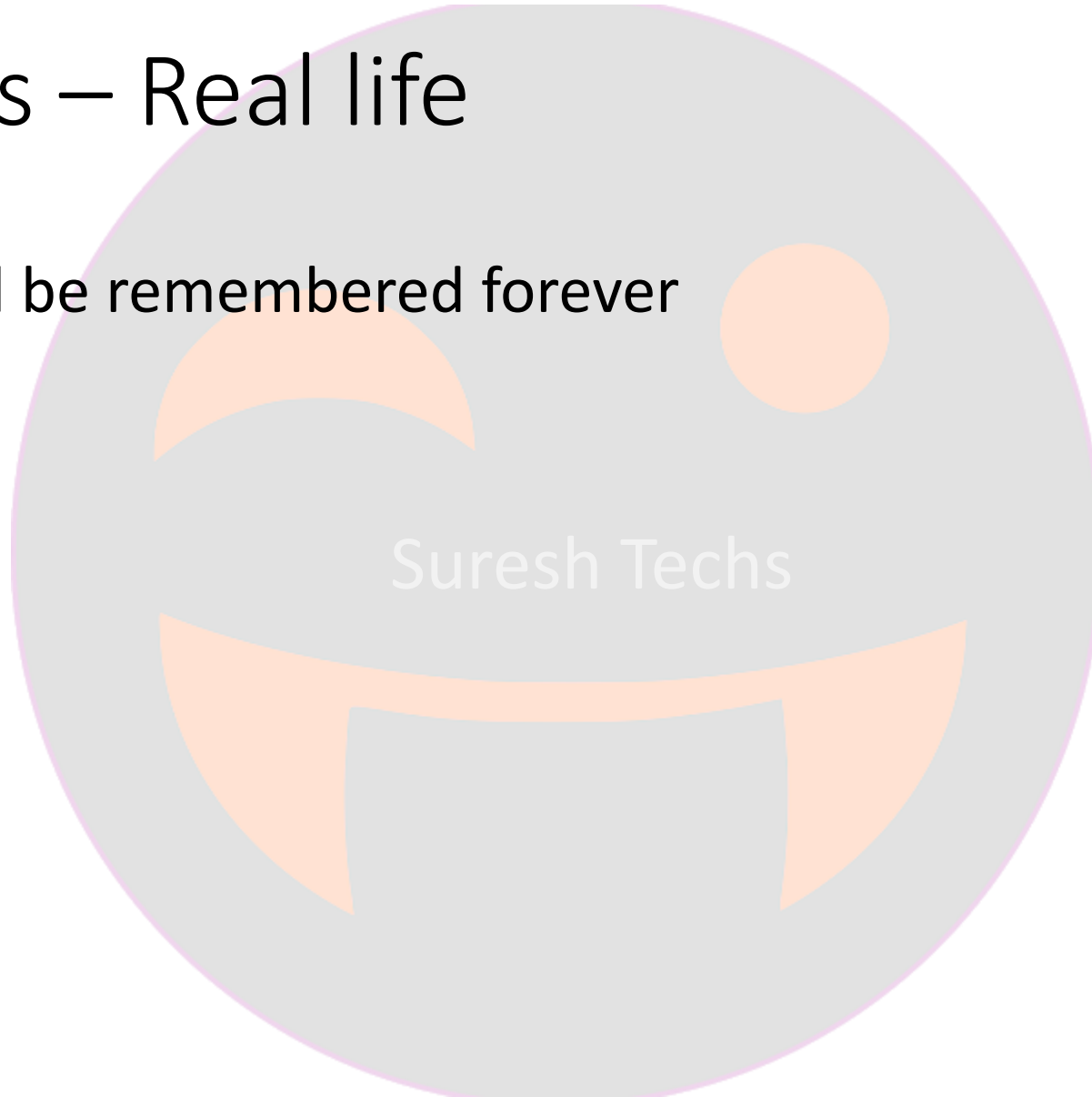
Note: To indicate a block of code in python, you must indent each line of the block by the same white space

VERY IMPORTANT

Comments – Real life

- Memories will be remembered forever

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Comments - Programming

- Information that the developers provide to understand the source code

- Improves **readability of the program**

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Use case

- Joined in a company, was asked to work on an existing project
- How do you understand an existing code?
- A good developer will always write good comments

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comments

- Starts with # (hashtag) till the end of the line

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

If the comment doesn't fit in one line?

- Multi line comments
- Starts with """ and end's with """"

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

calculate();
"""Priting global sum
Just to check the multiline comments
Hope you understood
"""
print(sum)
```

Comments helps developers

- Please comment our videos to help me improve my explanation

- Thank you all for your valuable comments

- First single line and multiline comments for our git video

Thank you ravi kanth(single line)

- #Single line

Thank you San Pendima (multiline)

san pendima · 4 months ago

Nice explanation brother.... Chala cool ga calm ga kangaru lekunda cheppavu. We are proud of you. Ilane complete devops and aws , selenium meda kuda complete tutorials pettandi. Its a request to a brother anukondi. Alage degrees undi software jobs leka chala mandiki time waste avtundi. Alanti vallaki kunchem courses and interview paramga help cheyu bro. Manaki maname help cheskovali ga mari.
Any ways thankyou for the video and double thankyou for your nice explanation.

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Suresh techs · 4 months ago

That means a lot brother. munduga meeku pedda thanks cheppali...I am really happy to see your comment brother. Python course ipoyaka devops chestanu bro.

REPLY   👍 1   👎   ♥   ⋮

comments

Documenting and help other programmers

These comments are not part of your program. For this reason, comment statements are skipped while executing your program.

Debugging

PYTHON
చిన్న బ్రేక్
చిటికలో వచ్చేస్తా

#sureshtechs