If-else Statement

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If
Marks>70:
Get Ice Cream

else
Give Practice Test

Pseudo-Code: if-else


```
If(condition):
    Statements to be executed….
else:
    Statements to be executed…..
```

Looping Statements

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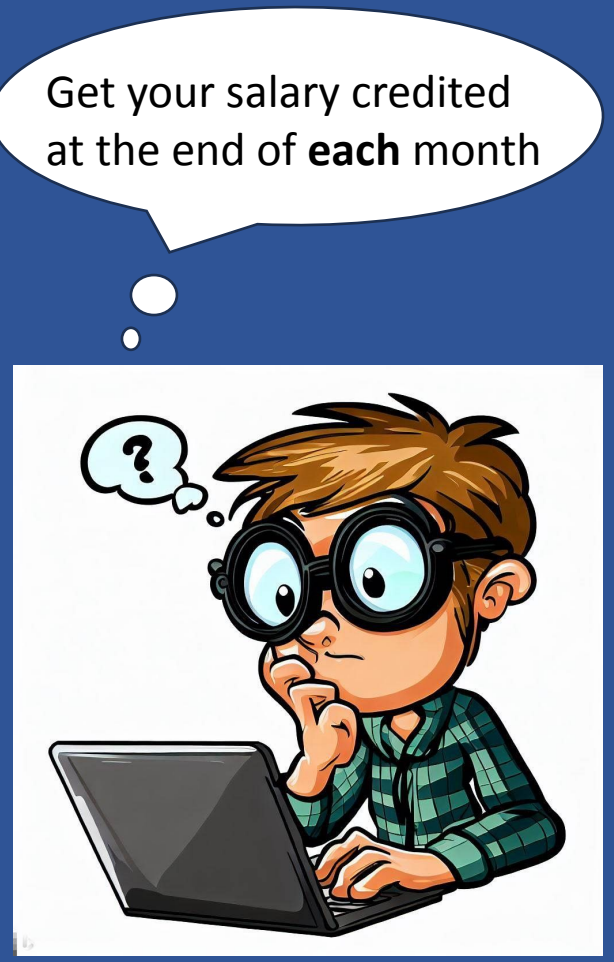
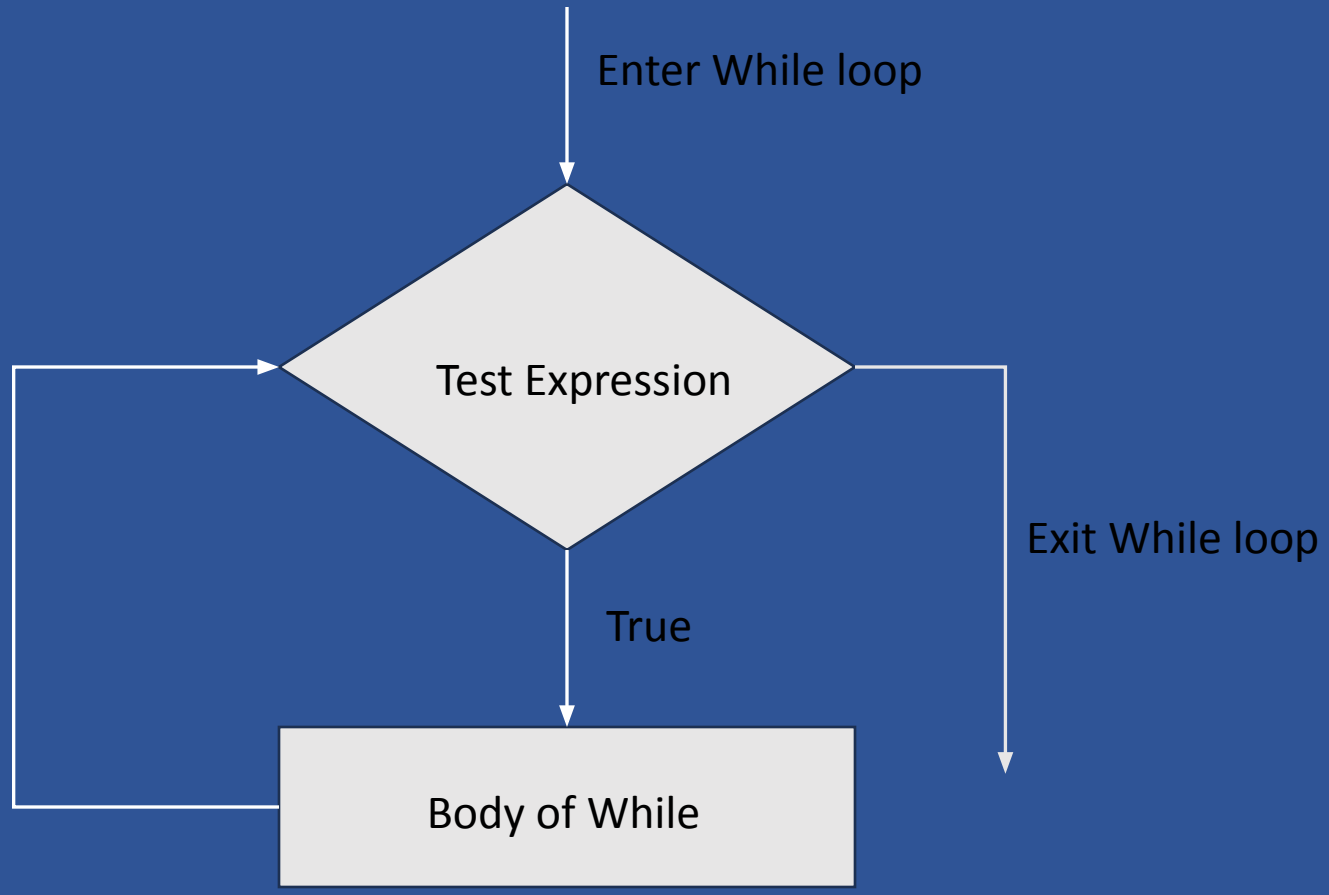


While Loop



SYNTAX

```
while condition:
    Execute Statements
```

For Loop

For Loop is used to iterate over a sequence (tuple, list, dictionary…..)

For loop syntax

```
for val in sequence:
        body of for loop
```

Functions

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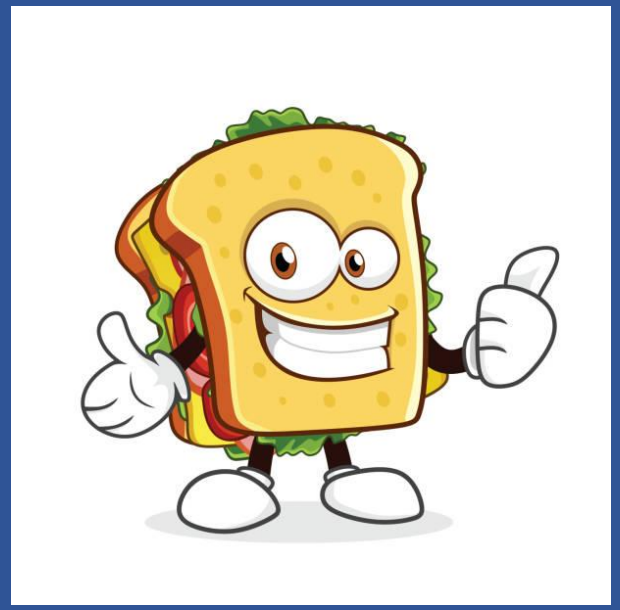
Function (Recipe): A function like a recipe is a set of instructions that perform a specific task or operation. Just like a recipe, a function has a name and can take inputs (ingredients) and produce an output (result).

Input(Ingredients): The values given to a function like bread, tomato etc.



Output (Result): It is the result obtained from the function like Sandwich.

Functions can be reused multiple times, just like a recipe can be used to make the same dish repeatedly. They allow us to write code once and use it in different parts of a program.

Python Functions

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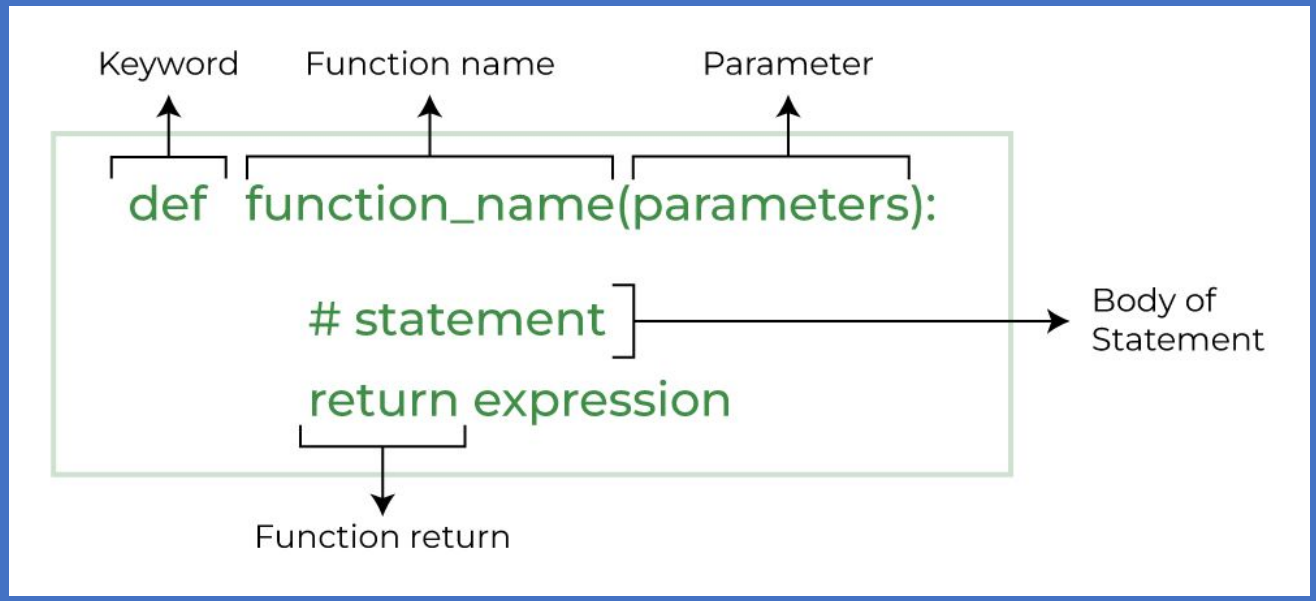
Function is a block of code which performs a specific task



Python Lambda Functions

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A small anonymous function , taking any number of arguments, having one expression