

16/08/24

lect 11 Loop & function

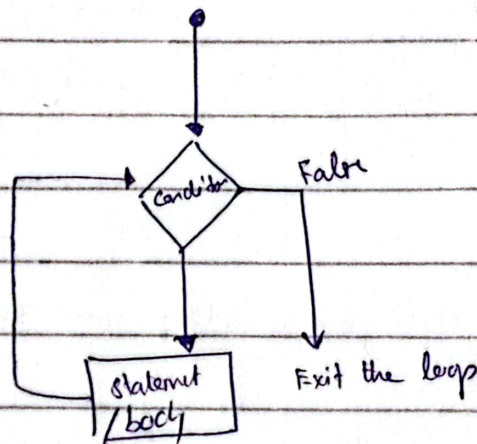
-- revision of previous lecture

- While loop (condition based)
↳ do not know number of iteration

↓
(example)
↳ Pressing right until wrong

while (condition):

 body



Example

- 1) printing number less than 5
- 2) Calculate sum of first 10 natural number
- 3) printing value of 'a' in descending order
- 4) calculate how many times a number is divided by 3
- 5) Program to add natural number sum up to n

→ Do Not Assume.
→ Always be on safe side

⇒ while loop with if-else

① → print even & odd number b/w 1 & num

Functions

built-in

user-defined

↳ block of organized, reusable code with a name that is used to perform single, specific task.

DRY ⇒ Don't Repeat Yourself

- make code organized & manageable
- break our program into smaller and modular chunks

Example

- ① define and call greet function.
- ② define and call a function to add 2 num's
- ③ " " " to generate number

concept of variable scope

- local variable
- global var's