Looping

By
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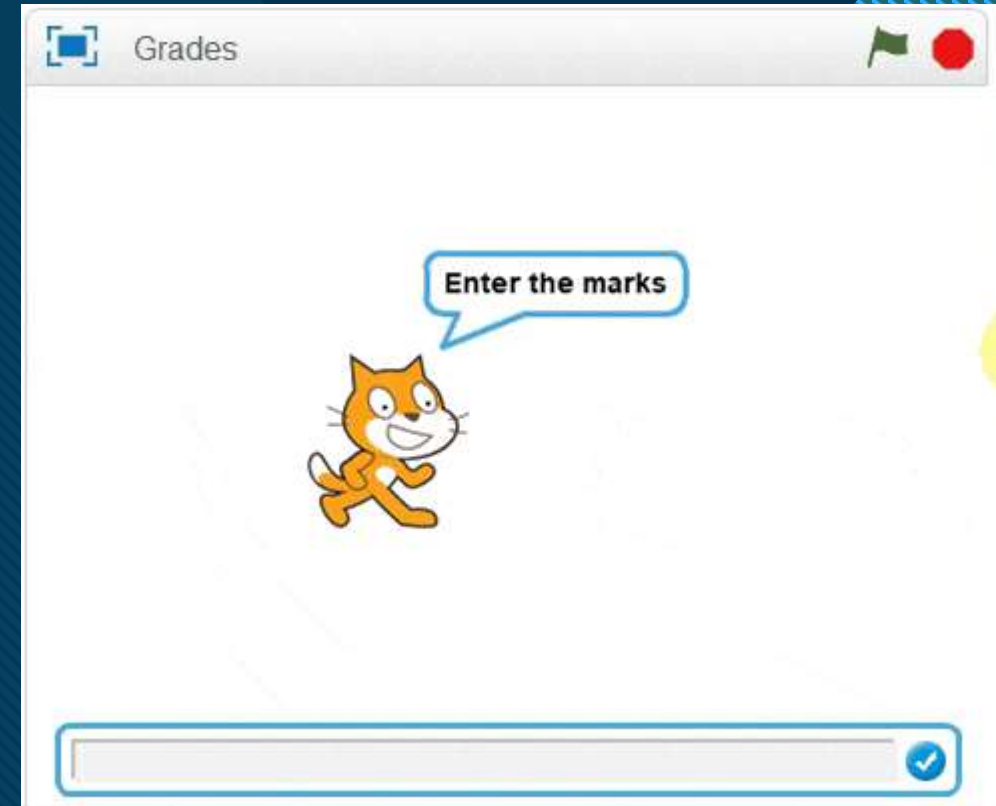Department of Computer Science & Engineering
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Looping

Loops can execute a block of code number of times until a certain condition is met.
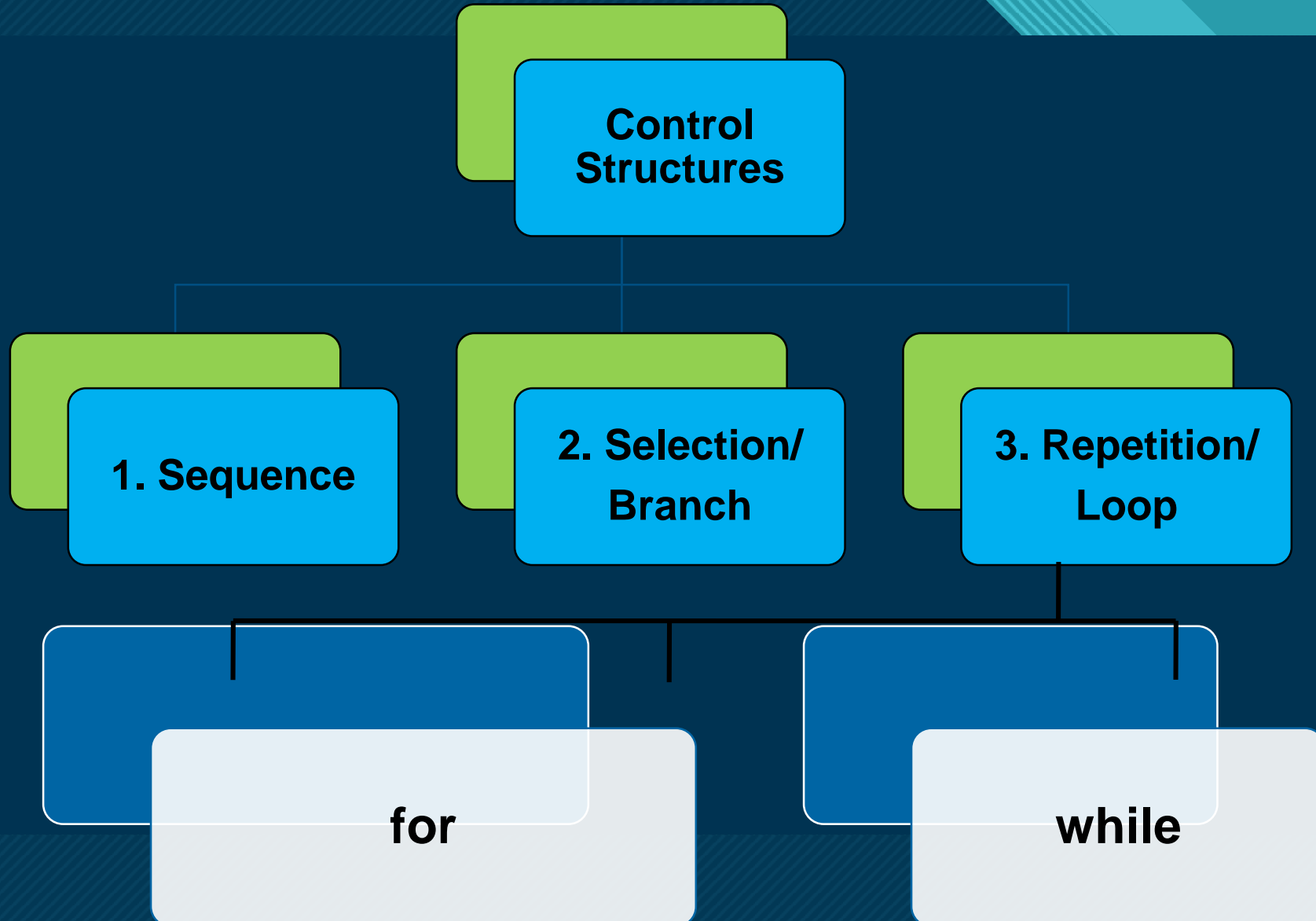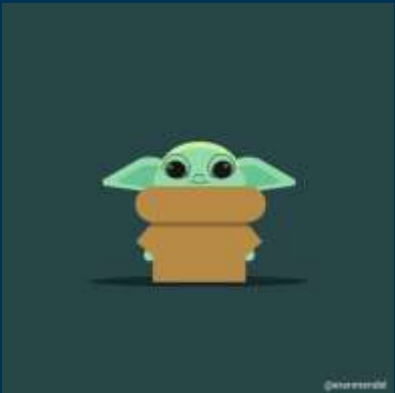
Control Structures Contd.

Figure 1: Repetition Division

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The for Loop in Python

Syntax

for val in sequence:

Statements

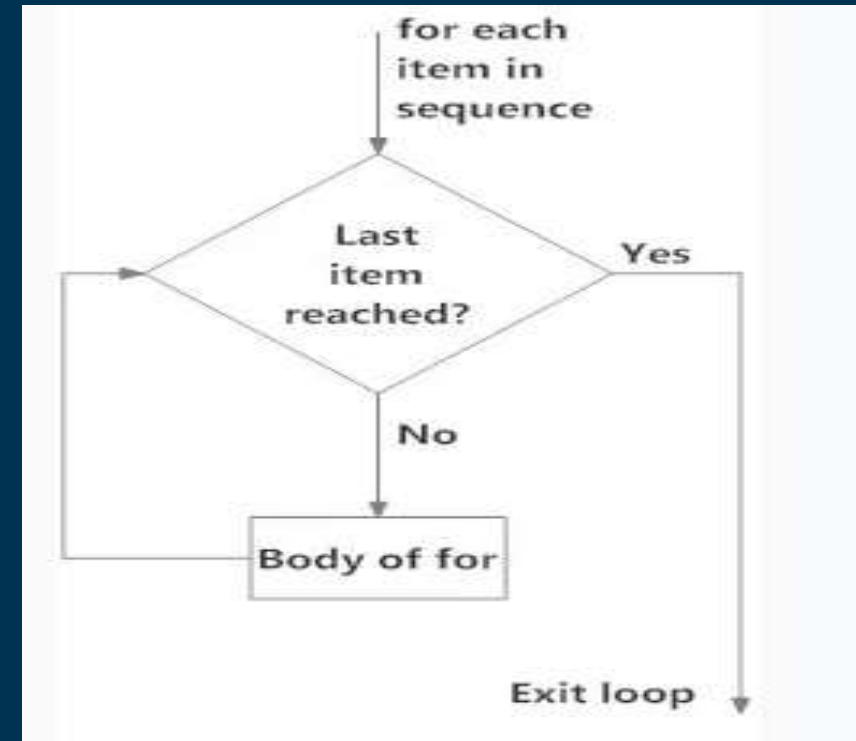## Flowchart of For Loop in Python Programming

Figure 3

The range() function

- We can generate a sequence of numbers using range ( ) function.

   Syntax: range(start, stop, step_size)

- step_size defaults to 1 if not provided.

- We can use the range() function in fro loops to iterate through a sequence of numbers.

While in Python

Syntax

while condition :

    Statements

    ….

Flowchart of While Loop in Python Programming
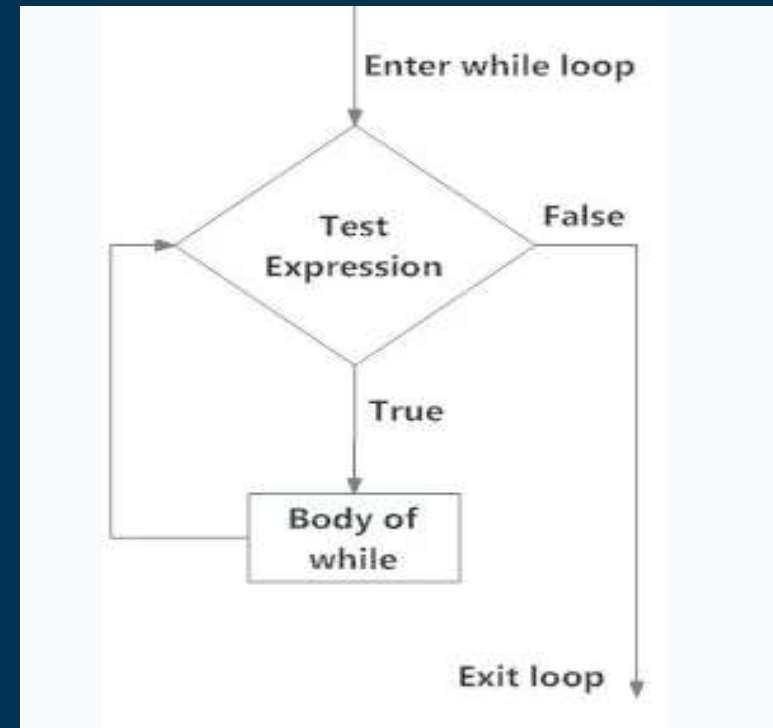

Figure 2

Nested Loops

One loop inside another loop.