**Loops**

Loops allows u to execute the block of code several times.

**While loop:**

While loop allows us to execute the block of code until the condition is true

**Syntax:**

Initialization

While termination\_condition:

Block of code

Updating

**Infinite loop:**

Initialization

While termination\_condition:

Block of code

**For loop:**

For loop iterates over each item in sequence

For i in word:

Print(i)

**Range:**

Range generates sequence of integers starting from 0

For i in range (3):

Print(i) # 0 1 2

Range with start and end

for i in range(start, end):

print(i)

**Nested loops:**

The loops inside the another loop is called nested loop

**Syntax:**

For i in word:

Print(i)

For j in word:

Print(j)

**Loop control statements**

Loop control statements are used to skip and terminate the loops.

Types of loop control statements:

Continue

Break

**Break:**

Break statement is used to exit the loop when condition is satisfied.

**Syntax:**

for i in range(a):

print(i)

if i == n:

break

**continue:**

continue statement is used to skip the current iteration in the loop when condition is encountred.

**Syntax:**

for i in range(n):

if i == 3:

continue

print(i)