**WHILE LOOP**

**Defination:-** A while loop repeatedly executes a block of code as long as the condition is True.

**Syntax:-** while condition:

# code block

**Example-1: Print numbers from 1 to 5**

num = 1

while num <= 5:

print(num)

num += 1

**Example-2: Sum of first 5 numbers**

num = 1

total = 0

while num <= 5:

total += num

num += 1

print("Sum:", total)

**Example-3: Print even numbers from 2 to 10**

num = 2

while num <= 10:

print(num)

num += 2

**Example-4: Exit loop with break**

num = 1

while True: # Infinite loop

print(num)

if num == 3:

break

num += 1

**Example-5: Skip using continue**

num = 0

while num < 5:

num += 1

if num == 3:

continue

print(num)