

# Loops

loops are control flow statements in which block of code are executed in repeat form loops are use for repetitive operation over data like on string list

## Types of Loops

\*\*\*For loop we use for loop used to iterative over a sequence such as list string tuples and execute the block of the code in sequence \*\*\*While loop we use while loop used to execute the block of code as long as the condition is True and in this loop we dont know when loop will end

### Example 1

```
{
    eating_roti=0

while eating_roti<2:
    print("no more need")
    eating_roti+=1
print(eating_roti) }
```

### Example 2

```
menue = {"egg","bread","oil","sugar"}
for eat in menue:
    print(menue)
```

### Example 3

```
menue = {"egg","bread","oil","sugar"}
for eat in menue:
    print(eat)
if "egg" in menue:
    print("lets make toast")
else:
    print("we have egg")
```

### Example 4

```
menue = {"egg","bread","oil","sugar"}
for eat in menue:
    print(f"{eat} is available in resturent")
```

### Example 5

```
eating_rotii=0

while eating_rotii<5:
    eating_rotii+=1
    print(eating_rotii)
    if eating_rotii==3:
        print("I'm full")
        break
    print("keep eating")
```

### Example 6

```
numbers=[2,4,6,8,10,12]

#for num in numbers:
total =sum(numbers)
print(total)
for num in numbers:
    print(num+2)
```

### Example 7

```
eating_rotii=0

while eating_rotii<5:
    eating_rotii+=1
    print(eating_rotii)
    if eating_rotii==3:
        print("I'm full")
        break
    print("keep eating")
```

### Example 8

```
eating_naam=0

while eating_naam<5:

    eating_naam+=1
    print("keep eating_naam")
    if eating_naam==2:
```

```
    print("im hungry")
    continue
print("i have had",eating_naam,"keep eating")
```

## Example 9

```
eating_naam=0

while eating_naam<5:

    eating_naam+=1
    print("keep eating_naam")
    if eating_naam==3:
        print("im hungry")
        continue
    print("i have had",eating_naam,"keep eating")
```