

Expt. No.

Ex. No.



day-6

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## loops

① while loop

② for loop

③ nested loop - for ( )

break  $i == 5$ : for ( )  
break #

continue

$i == 5$ :  
continue

## while

n = 10

while n &gt;= 0:

print(n)

n -= 1

output

10, 9, 8, 7, ..., 0

n = 3

for i in range(1, n+1)

print(i \* {n} \* {i})

n = 10

for i in range(1, n+1, 1)

- print(i)

i += 1

end = "\n")

out

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

## Functions

- It are block of organised, reusable code.
- It- dividing a complex problem into smaller chunks makes our program easy to understand and reuse.

### Types

① Pre defined

↓  
library functions

② user defined

↓  
user defined functions

## Recursion:

A function calling by itself

```
def fun()
```

```
    print("Hello world")
```

```
    fun()
```

```
fun()
```