Loops

Loops

while Loop

for Loop

do while Loop

while Loop

```
while(condition) {

    //do something

}
```

Print number from 1 to 10

1 2 3 4 5 6 7 8 9 10

Print number from 1 to n

n = 7

Print sum of first n natural numbers

n = 5

for Loop

```
for(initialisation; condition; updation) {


    // do something


}
```

Print SQUARE pattern

```
* * * *

* * * *

* * * *

* * * *
```

Print <u>Reverse</u> of a number

n = 791

    // last dig -> num%10
    // remove last dig   ->   num/10

Reverse the given number

n = 791

rev = (rev x 10) + lastDigit

do-while Loop

```
do {

  // do something

} while(condition);
```

Break Statement

to exit the loop

Keep entering numbers till user enters a multiple of 10

Continue Statement

to skip an iteration

Display all numbers entered by user except multiples of 10

Check if a number is [prime](#) or not

prime: 2, 3, 5, 7, 11