

while loop:-

Print nos from 1 to N

while (condition)

→ Till when it is true
→ dis code runs.

```
int n;
cin >> n;
int i = 1;
while (i <= n)
{
    cout << i;
    i = i + 1;
}
```

Sum of no 1 to N

→ 1, 2, 3, 4, 5

sum = 0, 1, 3, 6, 10, 15

i = 1, 2, 3, 4, 5

→ not possible

```
sum = 0;
int i = 1;
while (i <= n)
{
    sum = sum + i;
    i = i + 1;
}
```

Given no is prime or not → 1, 2, 3, 4, 5

no = 5 → या तो 1 की table से मिला है या 5 की से
निकाले नो 1 से divisible नहीं होना चाहिए.

Pattern :-

column = 5

row = 4

```

  1 1 1 1 1
  * * * * *
  - * * * *
  - * * * *
  - * * * *
```

1st row → 5 column
2nd row → 1)
3rd row → 1)
4th row → 1)

1st row → 1 1 1
2nd → 2 2 2
3rd → 3 3 3

→ row = 3
column

for every row
(column = 1) क्योंकि i की value हर बार 1 है
→ row no.