//////*************PRINT NATURAL NUMBERS

```cpp
#include<iostream>
using namespace std;
int main() {
 int n, I = 1;
cin >> n;
while (I  <=n)
        {
                cout << I << endl;
                i++;
}
}
```

//////*************PRINT ODD NUMBERS

```cpp
#include<iostream>

using namespace std;

int main() {
 int n, i = 1;
cin >> n;
 while (i<=n)
  {   if(i%2!=0)
cout <<i<< endl;
                i++;
}
}
```

//////*************PRINT EVEN NUMBERS

```cpp
#include<iostream>
using namespace std;
int main() {
 int n, i = 1;
cin >> n;
while (i<=n)
  {   if(i%2==0)
   cout <<i<< endl;
                i++;
}
}
```

//////*************SUM OF NATURAL,S NUM

```cpp
#include<iostream>
using namespace std;
 int main() {
int   n,sum=0,i = 1;
cin >> n;
while (i<=n)
        {
                sum = sum + i;


                i++;
        }
        cout << sum << endl;
}
```

//////***************SUM OF EVEN NUM

```cpp
#include<iostream>
using namespace std;
int main() {
    int n,sum=0, i = 1;
cin >> n;
while (i <= n)   // 2 * n
    {
        if (i % 2 == 0)
sum = sum + i;
 i++;
    }
    cout <<"Even number sum "<< sum << endl;
}
```

//////**************PRINTS ALPHABETS a - z

```cpp
#include<iostream>
using namespace std;
int main() {
char i = 'a';

    while (i <= 'z')
    {
        cout << i << endl;
i++;
    }
}
```

//////**************PRINTS NATURALS NUMBER IN REVERSE ORDER

```cpp
#include<iostream>
using namespace std;
int main() {
int n;
cin >> n;
int i = n;
while (i >= 1)
    {
            cout << i << endl;
            i--;
    }
    cout << endl;
}
```

//////**************COUNT NUMBER OF DIGITS IN A NUMBER

```cpp
#include<iostream>
using namespace std;
int main() {        int num,
digitCount = 0;
    cin >> num;
```

```
        // Handle the case of a negative number
        if (num < 0)
        {
                num = -num;   // Make the number positive
        }
        else if (num == 0)
        {
                digitCount = 1;   // Special case for 0
        }
                while (num > 0)
                {
                        num = num / 10;
                        digitCount++;
                }
                cout << "Numbers of digit " << digitCount << endl;
        }
```

EXAMPLE : User
enter   50
digitCount is 2.

//////***************SUM OF DIGITS OF A NUMBER

```
#include<iostream>
using namespace std;
int main() {        int num,
digit,sum = 0;
        cin >> num;

        // Ensure the number is positive
if (num < 0) {
                num = -num; // Make the number positive
        }

                while (num > 0)        Sentinal control Loop structure
                {
                        digit = num % 10; // Get the last digit
                        sum =sum+ digit; // Add the digit to the sum
                        num=num / 10; // Remove the last digit

                }
                cout << "Sum of digit " << sum << endl;
        }
```

EXAMPLE :
  •   enter -56

Sum of digit is 11.

  •   Also user enter 45

Ans is 9