

Programs:-

Adding numbers:-

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{ int n1, n2, sum;
```

```
cout << "Enter two num:";
```

```
cin >> n1 >> n2;
```

```
sum = n1 + n2;
```

```
cout << n1 << "+" << n2 << "=" << sum;
```

```
 }
```

Swap two num:-

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{ int a = 5, b = 10;
```

```
cout << "Before swapping";
```

```
cout << "a =" << a << ", b =" << b;
```

```
a = b;
```

```
b = a;
```

```
cout << "After swapping";
```

```
cout << "a =" << a << ", b =" << b;
```

```
}
```

Largest of three :-

- : 2nd max. between the two
numbers will be max.

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int a, b, c;
```

```
    cout << "Enter three numbers";
```

```
    cin >> a >> b >> c;
```

```
    int ans;
```

```
    ans = max(a, max(b, c));
```

```
    cout << ans << " is largest";
```

}

Odd or even :-

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int a;
```

```
    cout << "Enter integer";
```

```
    cin >> a
```

```
    if (a % 2 == 0) {
```

```
        cout << "Given num is even";
```

```
    } else {
```

```
        cout << "Given num is odd";
```

g

Sum of natural numbers :-

#include <iostream>

Using namespace std;
int main() {

int n, s=0;

Cout << "Enter num:";

Cin >> n;

for (int i=1; i<=n; ++i) {

s = i;

Cout << "Sum = " << s;

q

(n) Factorial :-

#include <iostream>

Using namespace std;

int main() {

int n;

int s=1;

Cout << "Enter num:"

Cin >> n;

for (int i=1; i<=n; ++i) {

s *= i;

q

Cout << "Factorial of " << n << " = " << s;

q

Fibonacci series:-

```
#include <iostream>
using namespace std;
int main() {
    int t1=0, t2=1, nt=0,n;
    cout << "Enter no num";
    cin >> n;
    cout << "Fibonacci Series:" << t1 << t2 << ",";
    nt = t1 + t2;
```

```
while (nt <= n) {
    cout << nt << ",";
    nt = t1 + t2;
```

t₁ = t₂;

t₂ = nt;

nt = t₁ + t₂;

}

}

Reverse a number;

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

int n, re=0, r;

```
cout << " Enter number";
```

```
cin >> n;
```

```
while (n!=0) {
```

r = n%10;

re = re * 10 + r;

n /= 10;

}

```
cout << "Reversed Number" << re;
```

g

Multiply two numbers:-

```
#include <iostream>
```

```
using namespace std
```

```
int main()
```

```
{ int a, b, c;
```

```
cout << "Enter a,b:";
```

```
cin >> a >> b;
```

```
c = a * b.
```

```
cout << "Product of " << a << "and " << b << " is " << c
```

g.

Function to find length:-

```
#include <iostream>
```

```
using namespace std
```

```
int main()
```

```
String str = " C++ programming "
```

```
cout << "Length of string is " << str.length();
```

g