

- 1) Add 2 num
- 2) Swap two numbers
- 3) largest num among 3 numbers
- 4) sum of all natural numbers from 1 to n
- 5) even or odd

```

1) #include <iostream>
class calculator{
private:
    int num1;
    int num2;
public:
    calculator(int n1, int n2){
        num1 = n1;
        num2 = n2;
    }
    int addNumbers(){
        return num1 + num2;
    }
};

int main(){
    int number1, number2;
    std::cout << "Enter number 1: ";
    std::cin >> number1;
    std::cout << "Enter number 2: ";
    std::cin >> number2;
    calculator calc(number1, number2);
    int sum = calc.addNumbers();
    std::cout << "The sum of the two numbers
is: " << sum << std::endl;
    return 0;
}

```

```

#include <iostream>
int main(){
    int a = 5, b = 10, sum;
    sum = a + b;
    std::cout << "The
sum is: " << sum;
    return 0;
}

```

```
2) #include <iostream>
using namespace std;
class NumberSwapper {
private:
    int num1, num2;
public:
    NumberSwapper (int a, int b) {
        num1 = a;
        num2 = b;
    }
    void swapNumbers() {
        int temp = num1;
        num1 = num2;
        num2 = temp;
    }
    void displayNumbers() {
        cout << "After swapping: num1 = " << num1 << endl;
        cout << "num2 = " << num2 << endl;
    }
};

int main() {
    int a, b;
    cout << "Enter two numbers: ";
    cin >> a >> b;
    NumberSwapper swapper(a, b);
    swapper.swapNumbers();
    swapper.displayNumbers();
    return 0;
}
```

```
3) #include <iostream>
using namespace std;
int main()
{
    int x, y, z, largestOfThree;
    cout << "Please enter the three numbers: ";
    cout >> x >> y >> z;
    if (x > y & x > z)
        largestOfThree = x;
    else if (y > x & y > z)
        largestOfThree = y;
    else
        largestOfThree = z;
    cout << "The largest of the three numbers is: " << largestOfThree;
}
```

\* largest of three = ((x > y & x > z) ? x : (x > z) ? x : z)  
count << "The largest num among three is = " << largest  
of three;  
cout << endl;  
return 0;  
}

### even or odd

```
#include <iostream>
using namespace std;
int main()
{
    int no;
    cout << "Enter any number" << endl;
    cin >> no;
    if (no % 2 == 0)
    {
        cout << "Even num" << endl;
    }
    else
    {
        cout << "Odd num" << endl;
    }
}
```

### Sum of all natural numbers

#include <iostream>

using namespace std;

int main()

int n, sum = 0;

cout << "Enter a positive integer : "

cin >> n;

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

sum += i;

cout << "sum = " << sum;

return 0;

}