# Very silly program that prompts the user to enter a set of numbers.
// The user then enters one more number and the program tells the user
// which numbers from the original set are larger than his final number.

```
#include<iostream>
using namespace std;

const int NUM=5;   // number of values user must enter
int list[NUM];
int i=0;
int ans;           // number user enters.
int any=0;         // set to 1 if any number is greater.

int main()
{
    cout << "You will be prompted to enter " << NUM << " numbers" << endl;
    while(i<NUM)
    {
        cout << "Enter a number ";
        cin >> list[i];
        i=i+1;
    }
    cout << "Now pick a number ";
    cin >> ans;
    i=0;
    cout << endl;
    while(i<NUM)
    {
        if(ans<list[i])
        {
            cout << "Your number " << ans << " is less than " << list[i];
            cout << " from your list" << endl;
            any=1;
        }
        i=i+1;
    }
    if(any==0)
    {
        cout << "Your number was greater than all numbers in the list" << endl;
    }
    cout << endl << "Bye!" << endl << endl;
}
```
# Day 5 sample code

```
#include<iostream>
using namespace std;

// Sort

main()
{
    const int NUM=5;  // number of values user must enter
    int list[NUM];
    int i=0, j=0;
    int any=0;        // set to 1 if any number is greater.
    int tmp;

    cout << "You will be prompted to enter " << NUM << " numbers" << endl;
    while(i<NUM)
    {
        cout << "Enter a number ";
        cin >> list[i];
        i=i+1;
    }
    //sort here.

    while(i<NUM)
    {
        cout << "Enter a number ";
        cin >> list[i];
        i=i+1;
    }
}
```