

## C++ Homework 07

- a. Write a static recursive template class “printer”, which can print “10 9 8 7 6 5 4 3 2 1” with the following code:

```
int a[10] = {1,2,3,4,5,6,7,8,9,10};
int main()
{
    printer<int, 10, 10, a>::print();
    return 0;
}
```

//Note that the class itself should support an array of any size.

- b. Similarly, write a static recursive template class to print “1 2 3 4 5 6 7 8 9 10”, with the same code shown in a.

Hint: `template <class T, int N, int n, int (&Q)[N]>`

- c. Write a template function with veridic template parameters that return true if the values of any pair of arguments are equal.

For example: `Equal (1,2,4,5,5,2)` will return equal. `Equal(3,4,5,6)` will return false. Note that you can input any number of arguments.