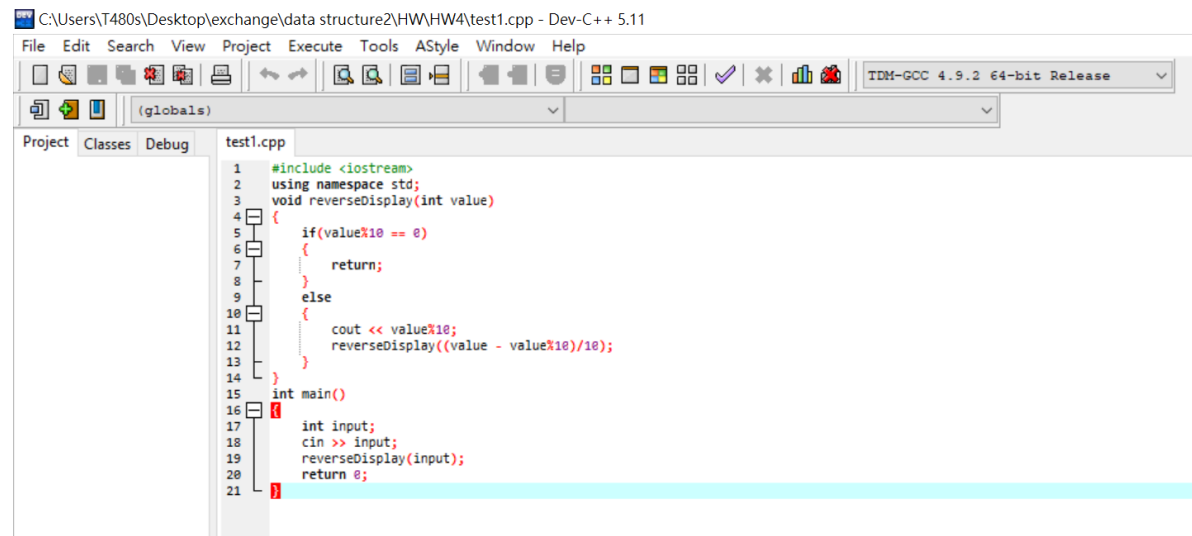


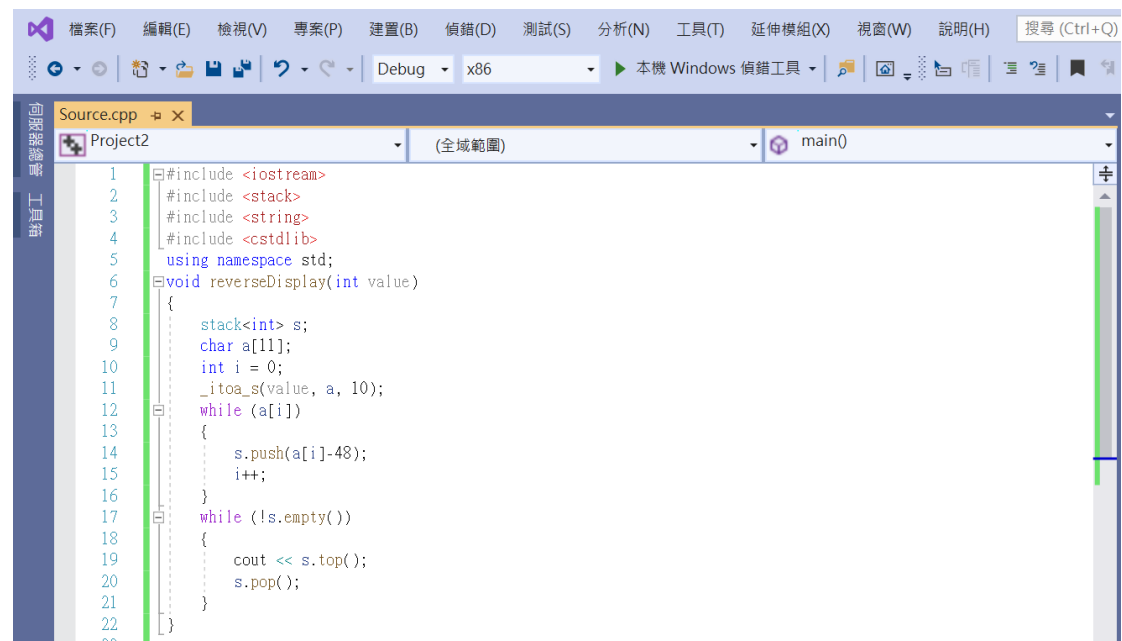
递归:



C:\Users\T480s\Desktop\exchange\data structure2\HW\HW4\test1.cpp - Dev-C++ 5.11

```
1  #include <iostream>
2  using namespace std;
3  void reverseDisplay(int value)
4  {
5      if(value%10 == 0)
6      {
7          return;
8      }
9      else
10     {
11         cout << value%10;
12         reverseDisplay((value - value%10)/10);
13     }
14 }
15 int main()
16 {
17     int input;
18     cin >> input;
19     reverseDisplay(input);
20     return 0;
21 }
```

栈:



Source.cpp

```
1  #include <iostream>
2  #include <stack>
3  #include <string>
4  #include <cstdlib>
5  using namespace std;
6  void reverseDisplay(int value)
7  {
8      stack<int> s;
9      char a[11];
10     int i = 0;
11     _itoa_s(value, a, 10);
12     while (a[i])
13     {
14         s.push(a[i]-48);
15         i++;
16     }
17     while (!s.empty())
18     {
19         cout << s.top();
20         s.pop();
21     }
22 }
```