SEATWORK 4.1	
STACK	
Course Code: CPE010	**Program:** Computer Engineering
Course Title: Data Structures and Algorithms	**Date Performed: 8/12/25**
Section: CPE21S4	**Date Submitted: 8/12/25**
Name(s): Francis Nikko I. Andoy	**Instructor: Jimlord Quejado**

6. Output

```
Output                                                    Clear
The stack is:   1   5   20  30  10

s.size(): 5
s.top(): 1
s.pop():    5   20  30  10
```

main.cpp — Share — Run

```cpp
// Online C++ compiler to run C++ program online
#include <iostream>
#include <stack>
using namespace std;

void showstack(stack <int> s){
    while (!s.empty()){
        cout << '\t' << s.top();
        s.pop();
    }
    cout << '\n';
}
int main() {
    stack <int> s;
    s.push(10);
    s.push(30);
    s.push(20);
    s.push(5);
    s.push(1);

    cout << "\ns.size(): " << s.size();
    cout << "\ns.top(): " << s.top();

    cout << "\ns.pop(): ";
    s.pop();
    showstack(s);
    return 0;
}
```

7. Supplementary Activity

8. Conclusion: **In this activity I learned how stack works and the function we can use on it such as the pop, push, top, etc etc. The concept on this is not that hard to understand but implementation of this is the hardest part for me.**
9. Assessment Rubric