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Lab-14:

Task 1:

Code & Output:

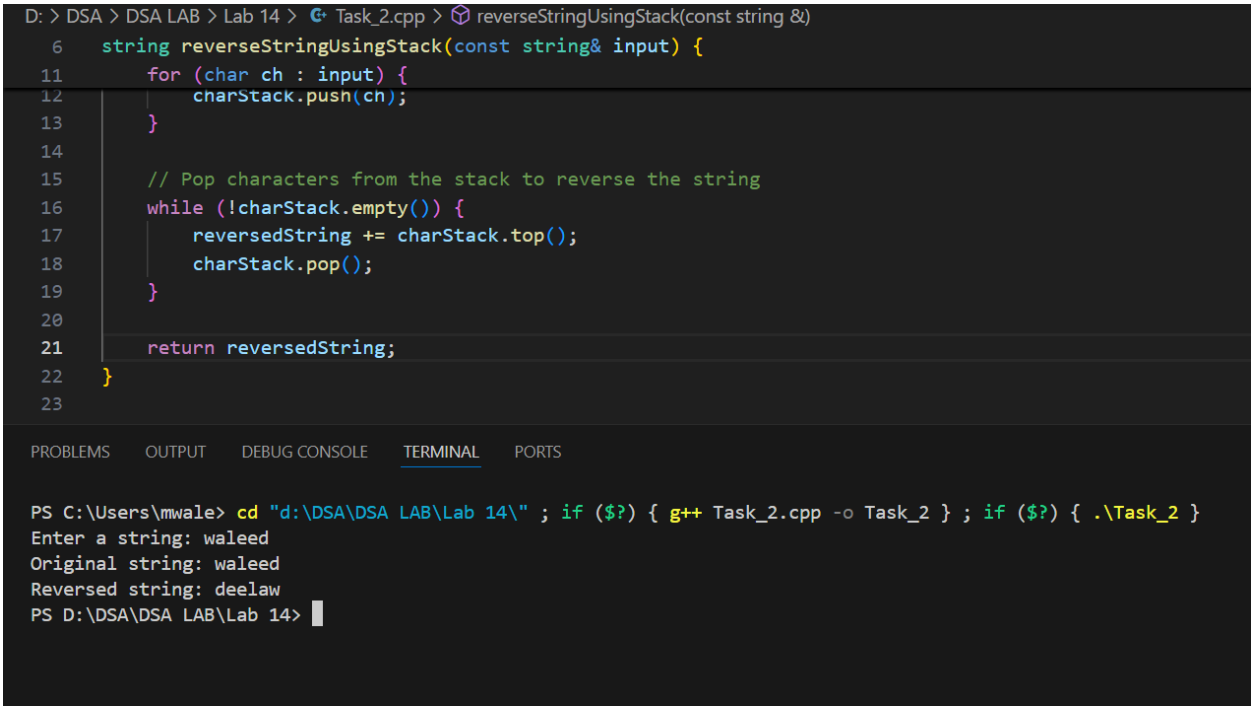
```
D: > DSA > DSA LAB > Lab 14 > Task_1.cpp > main()
  4   class Stack {
 32       void pop() {
 35           } else {
 36               cout << "Stack is empty! Cannot pop.\n";
 37           }
 38       }
 39
 40       // Peek the top element without removing it
 41       int peek() {
 42           if (!isEmpty()) {
 43               return stackArray[top];
 44           } else {
 45               cout << "Stack is empty! Nothing to peek.\n";
 46               return -1; // Return an invalid value for empty stack

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\Users\mwale> cd "d:\DSA\DSA LAB\Lab 14\" ; if ($?) { g++ Task_1.cpp -o Task_1 } ; if ($?) { .\Task_1 }
Top element: 3
Top element after pop: 2
Is stack empty after clear? Yes
PS D:\DSA\DSA LAB\Lab 14>
```

Task 2:

Code& Output:



Task 3:

Code & Output: