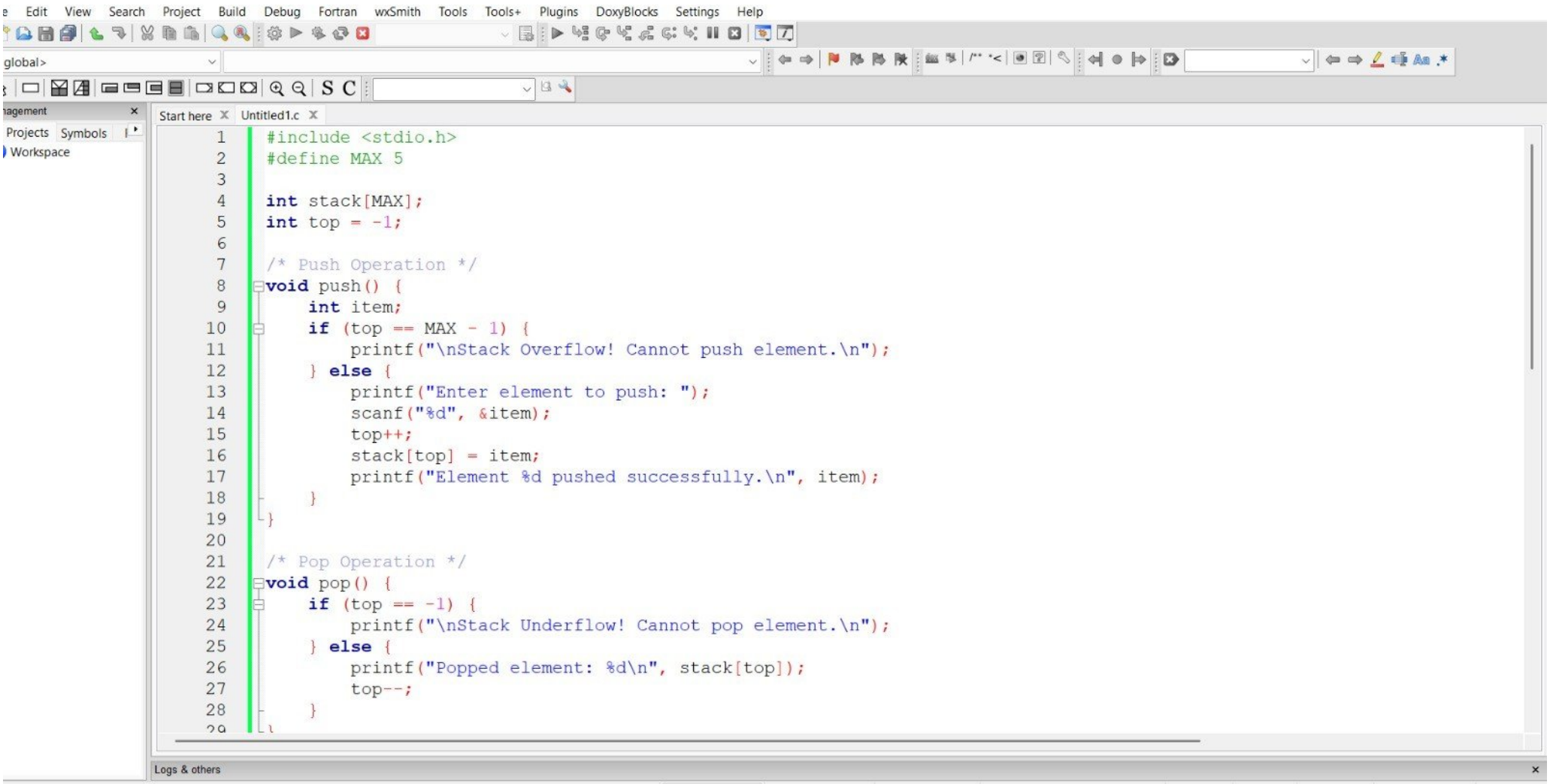
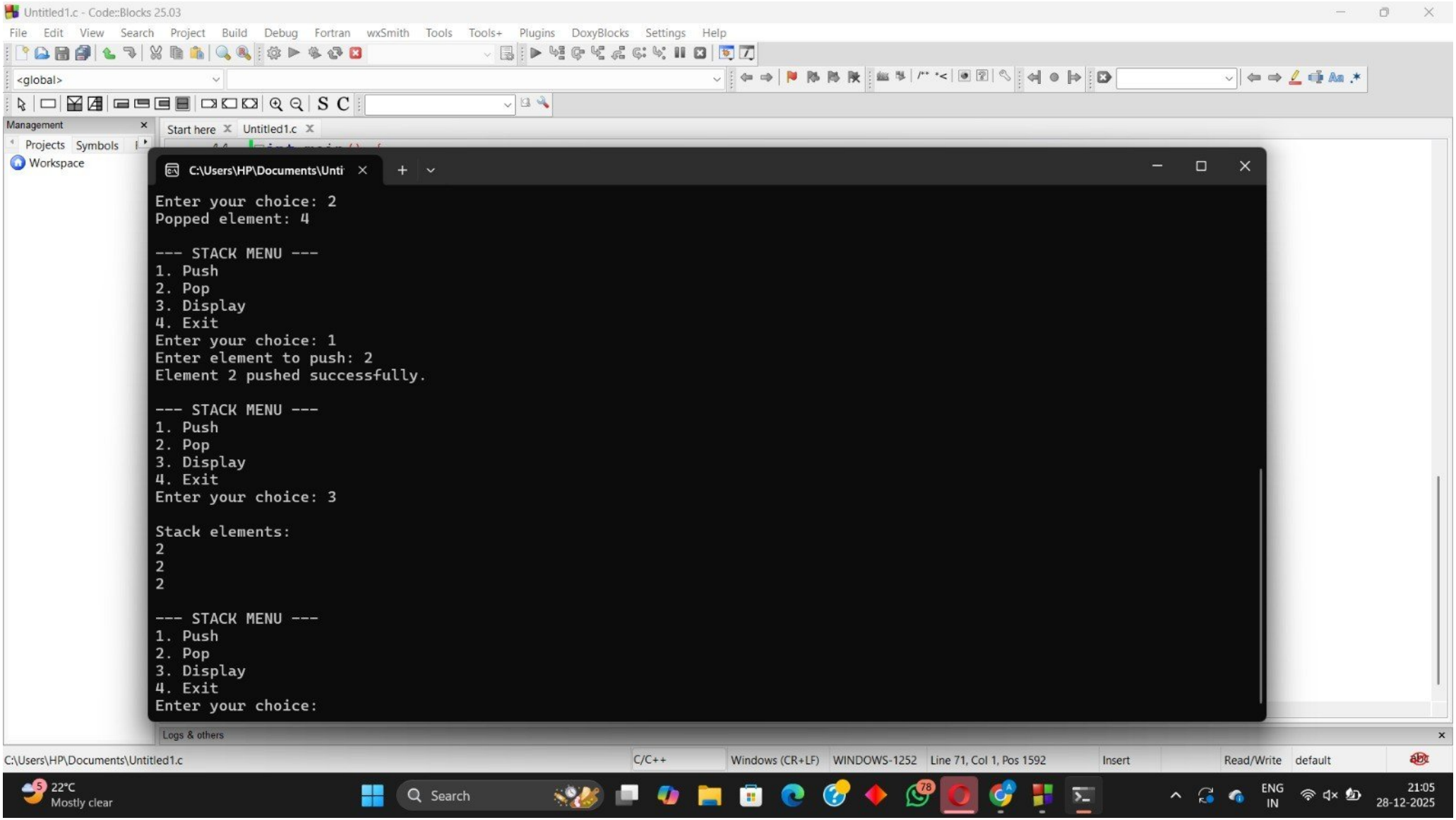
Lab Program	Unit #	Marks for Continuous Evaluation	Program Details
1	1	10	Write a program to simulate the working of stack using an array with the following: a) Push b) Pop c) Display The program should print appropriate messages for stack overflow, stack underflow


Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
global>
Projects Symbols
Workspace
Start here
Untitled1.c
#include <stdio.h>
#define MAX 5
int stack[MAX];
int top = -1;
/* Push Operation */
void push() {
int item;
if (top == MAX - 1) {
printf("\nStack Overflow! Cannot push element.\n");
} else {
printf("Enter element to push: ");
scanf("%d", &item);
top++;
stack[top] = item;
printf("Element %d pushed successfully.\n", item);
}
}
/* Pop Operation */
void pop() {
if (top == -1) {
printf("\nStack Underflow! Cannot pop element.\n");
} else {
printf("Popped element: %d\n", stack[top]);
top--;
}
Logs & others


Untitled1.c - Code::Blocks 25.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
Management
Projects Symbols
Workspace
Start here
Untitled1.c
C:\Users\HP\Documents\Unti
Enter your choice: 2
Popped element: 4
--- STACK MENU ---
1. Push
2. Pop
3. Display
4. Exit
Enter your choice: 1
Enter element to push: 2
Element 2 pushed successfully.
--- STACK MENU ---
1. Push
2. Pop
3. Display
4. Exit
Enter your choice: 3
Stack elements:
2
2
2
--- STACK MENU ---
1. Push
2. Pop
3. Display
4. Exit
Enter your choice:
Logs & others
C:\Users\HP\Documents\Untitled1.c
C/C++
Windows (CR+LF)
WINDOWS-1252
Line 71, Col 1, Pos 1592
Insert
Read/Write
default
22°C
Mostly clear
Search
ENG
IN
21:05
28-12-2025