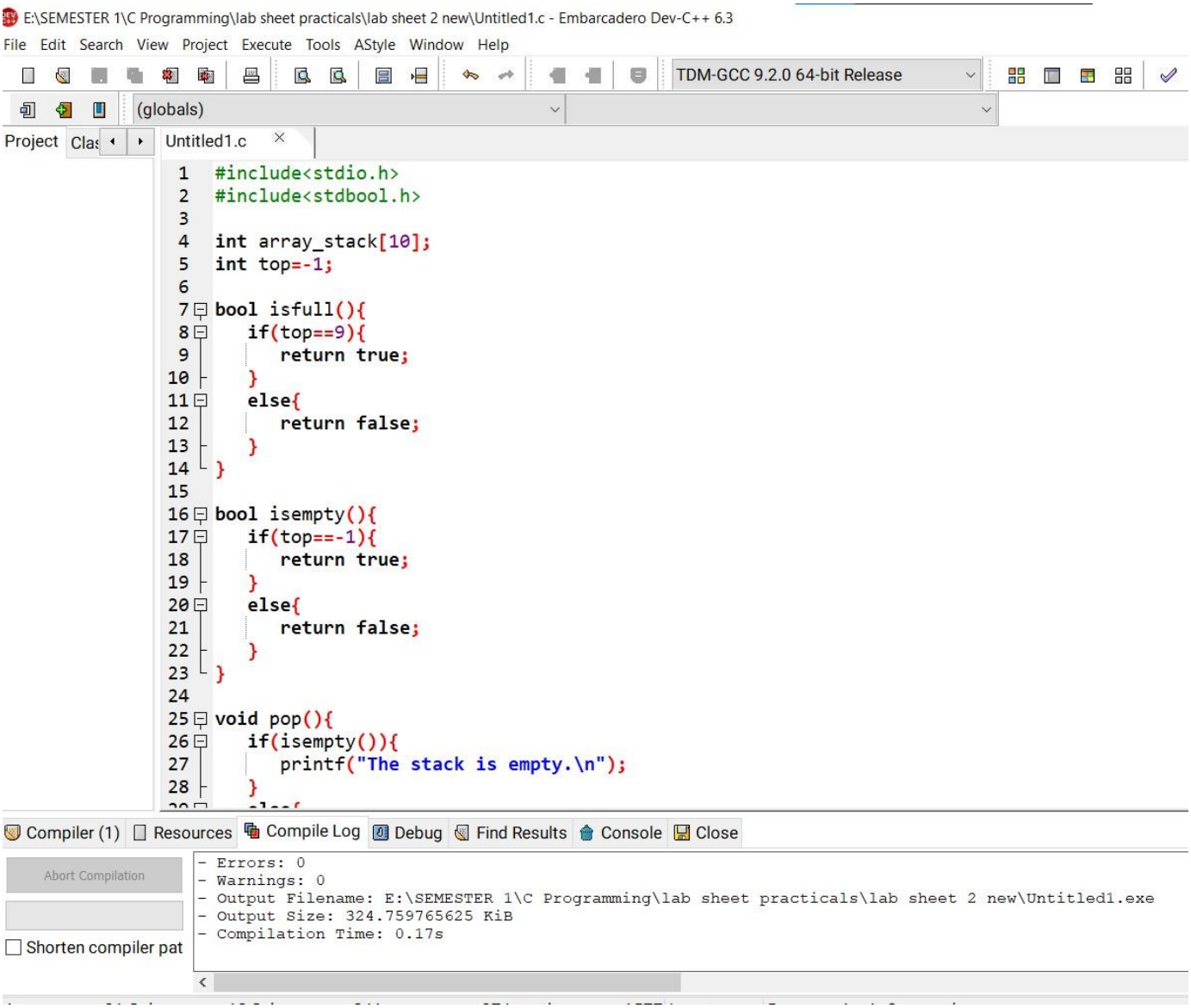
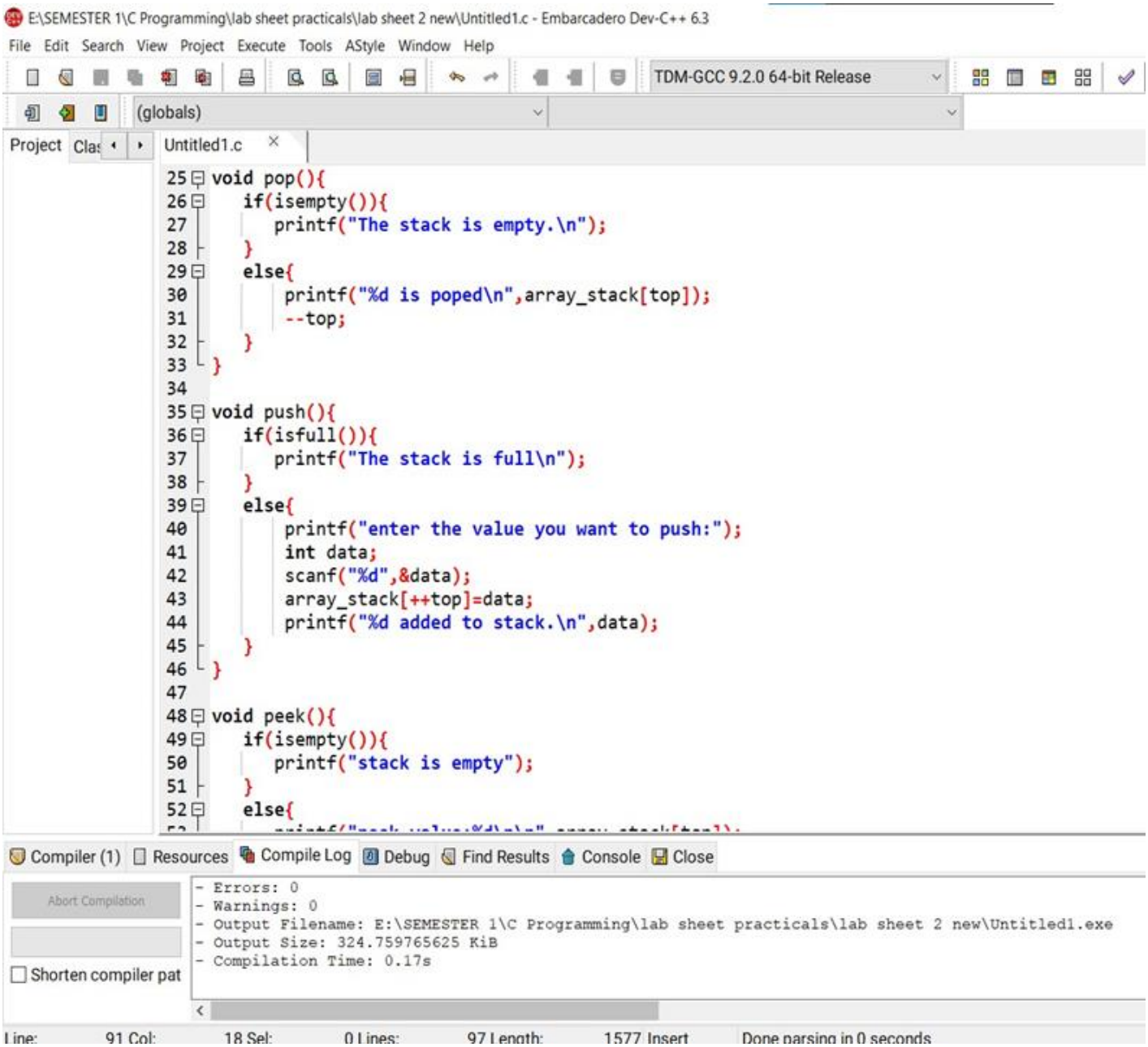
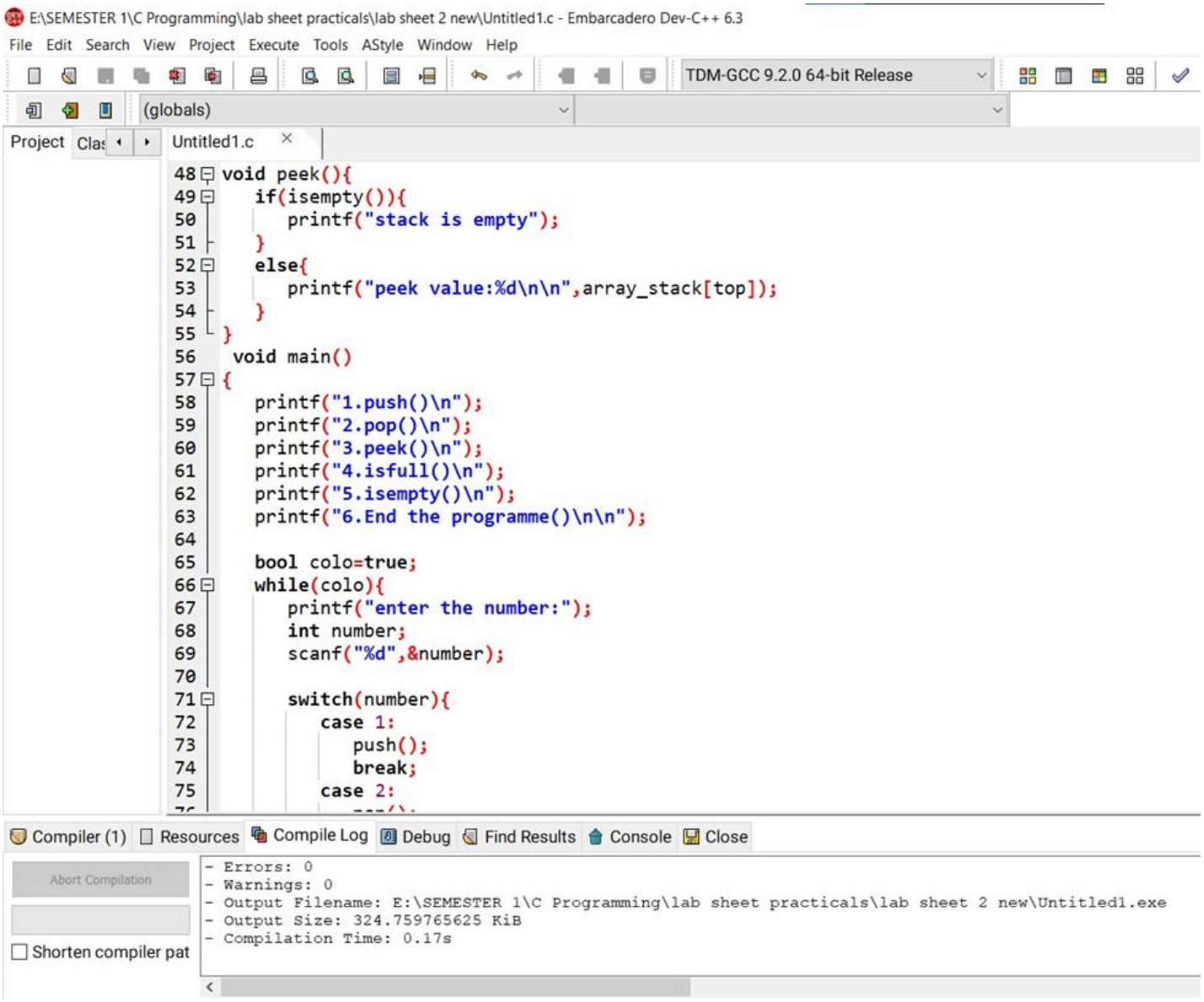
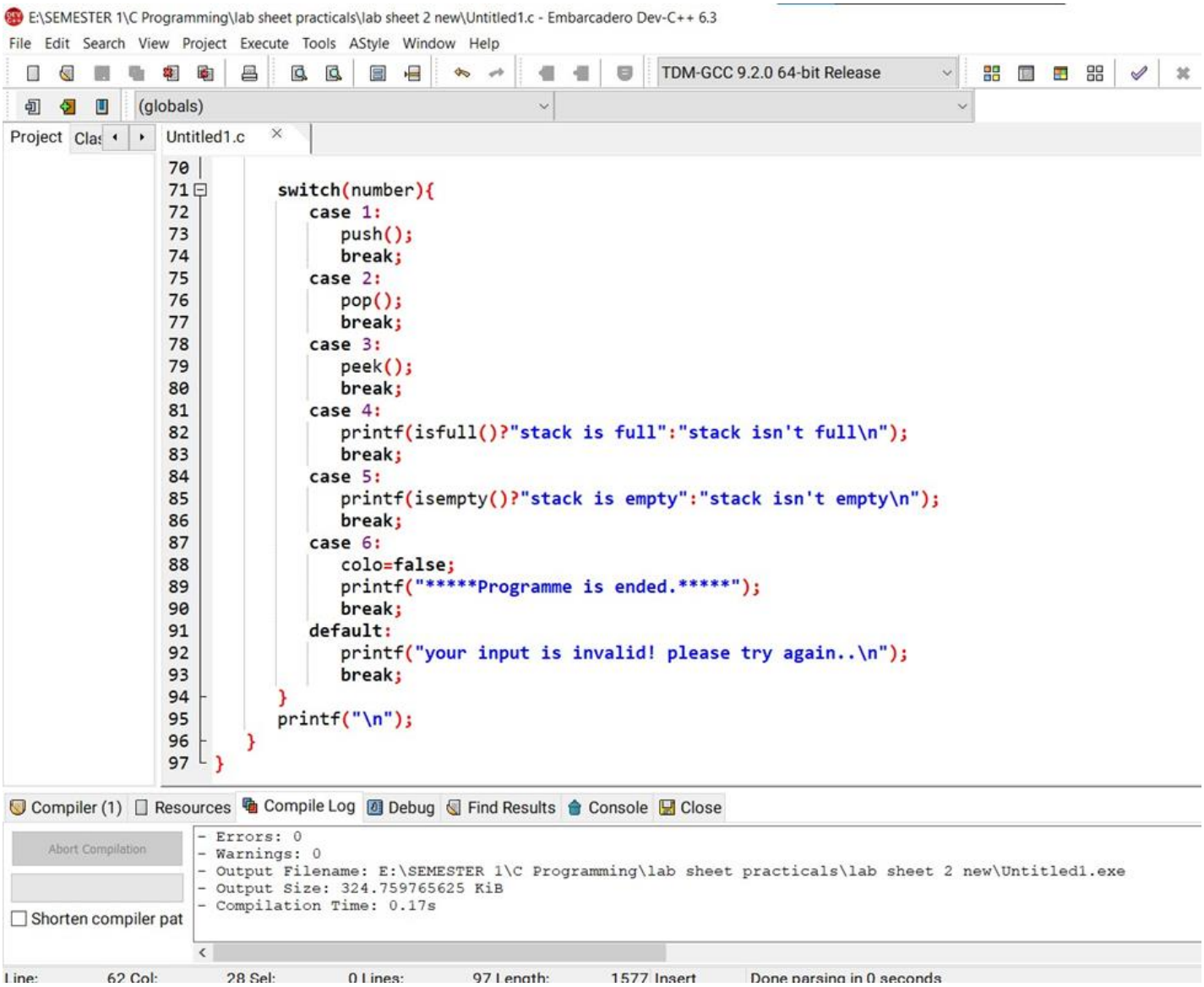
Stack

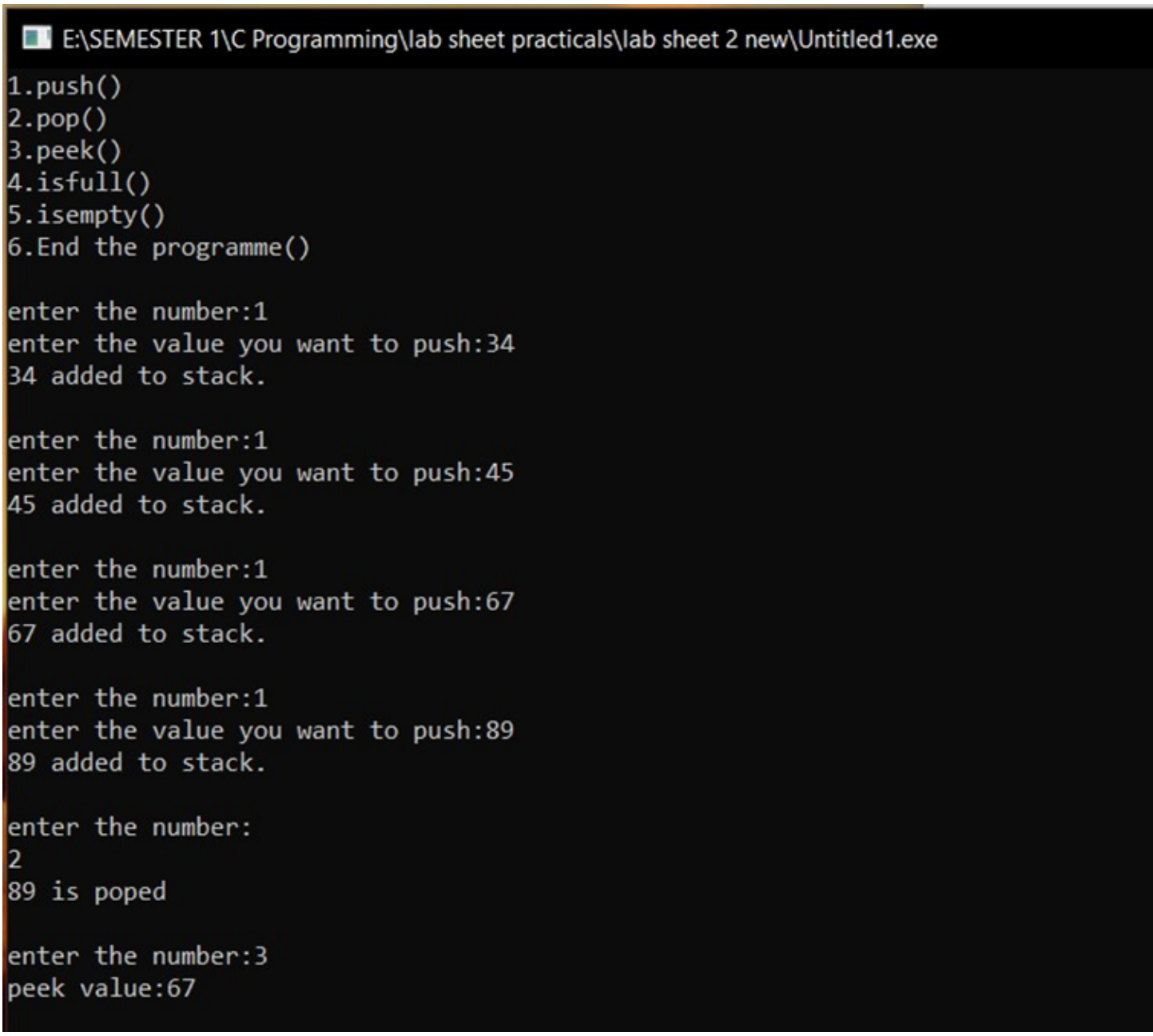
211091- Udeesha Prabhashana

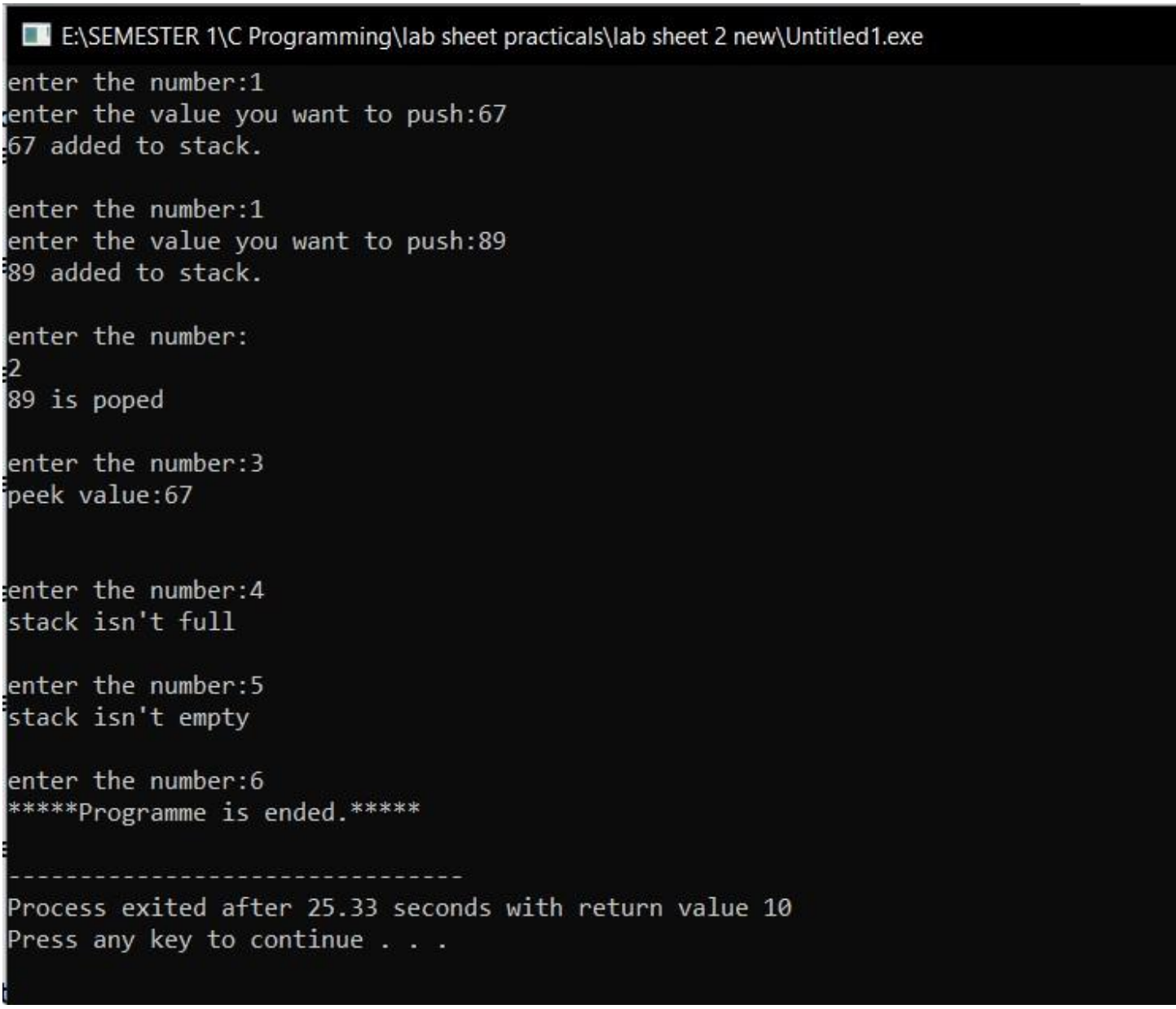



E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.c - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Project
Untitled1.c
25 void pop(){
26 if(isempty()){
27 printf("The stack is empty.\n");
28 }
29 else{
30 printf("%d is poped\n",array_stack[top]);
31 --top;
32 }
33 }
34
35 void push(){
36 if(isfull()){
37 printf("The stack is full\n");
38 }
39 else{
40 printf("enter the value you want to push:");
41 int data;
42 scanf("%d",&data);
43 array_stack[++top]=data;
44 printf("%d added to stack.\n",data);
45 }
46 }
47
48 void peek(){
49 if(isempty()){
50 printf("stack is empty");
51 }
52 else{
Compiler (1)
Resources
Compile Log
Debug
Find Results
Console
Close
Abort Compilation
Shorten compiler pat
- Errors: 0
- Warnings: 0
- Output Filename: E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.exe
- Output Size: 324.759765625 KiB
- Compilation Time: 0.17s
Line: 91 Col: 18 Sel: 0 Lines: 97 Length: 1577 Insert
Done parsing in 0 seconds


E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.c - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Project
Untitled1.c
48 void peek(){
49 if(isempty()){
50 printf("stack is empty");
51 }
52 else{
53 printf("peek value:%d\n\n",array_stack[top]);
54 }
55 }
56 void main()
57 {
58 printf("1.push()\n");
59 printf("2.pop()\n");
60 printf("3.peek()\n");
61 printf("4.isfull()\n");
62 printf("5.isempty()\n");
63 printf("6.End the programme()\n\n");
64
65 bool colo=true;
66 while(colo){
67 printf("enter the number:");
68 int number;
69 scanf("%d",&number);
70
71 switch(number){
72 case 1:
73 push();
74 break;
75 case 2:
Compiler (1)
Resources
Compile Log
Debug
Find Results
Console
Close
Abort Compilation
Shorten compiler pat
- Errors: 0
- Warnings: 0
- Output Filename: E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.exe
- Output Size: 324.759765625 KiB
- Compilation Time: 0.17s


E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.c - Embarcadero Dev-C++ 6.3
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 9.2.0 64-bit Release
(globals)
Project Clas
Untitled1.c
70
71 switch(number){
72 case 1:
73 push();
74 break;
75 case 2:
76 pop();
77 break;
78 case 3:
79 peek();
80 break;
81 case 4:
82 printf(isfull()?"stack is full":"stack isn't full\n");
83 break;
84 case 5:
85 printf(isempty()?"stack is empty":"stack isn't empty\n");
86 break;
87 case 6:
88 colo=false;
89 printf("*****Programme is ended.*****");
90 break;
91 default:
92 printf("your input is invalid! please try again..\n");
93 break;
94 }
95 printf("\n");
96 }
97 }
Compiler (1) Resources Compile Log Debug Find Results Console Close
Abort Compilation
Shorten compiler pat
- Errors: 0
- Warnings: 0
- Output Filename: E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.exe
- Output Size: 324.759765625 KiB
- Compilation Time: 0.17s
Line: 62 Col: 28 Sel: 0 Lines: 97 Length: 1577 Insert
Done parsing in 0 seconds


E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.exe
1.push()
2.pop()
3.peek()
4.isfull()
5.isempty()
6.End the programme()
enter the number:1
enter the value you want to push:34
34 added to stack.
enter the number:1
enter the value you want to push:45
45 added to stack.
enter the number:1
enter the value you want to push:67
67 added to stack.
enter the number:1
enter the value you want to push:89
89 added to stack.
enter the number:
2
89 is poped
enter the number:3
peek value:67


E:\SEMESTER 1\C Programming\lab sheet practicals\lab sheet 2 new\Untitled1.exe
enter the number:1
enter the value you want to push:67
67 added to stack.
enter the number:1
enter the value you want to push:89
89 added to stack.
enter the number:
2
89 is poped
enter the number:3
peek value:67
enter the number:4
stack isn't full
enter the number:5
stack isn't empty
enter the number:6
*****Programme is ended.*****

Process exited after 25.33 seconds with return value 10
Press any key to continue . . .