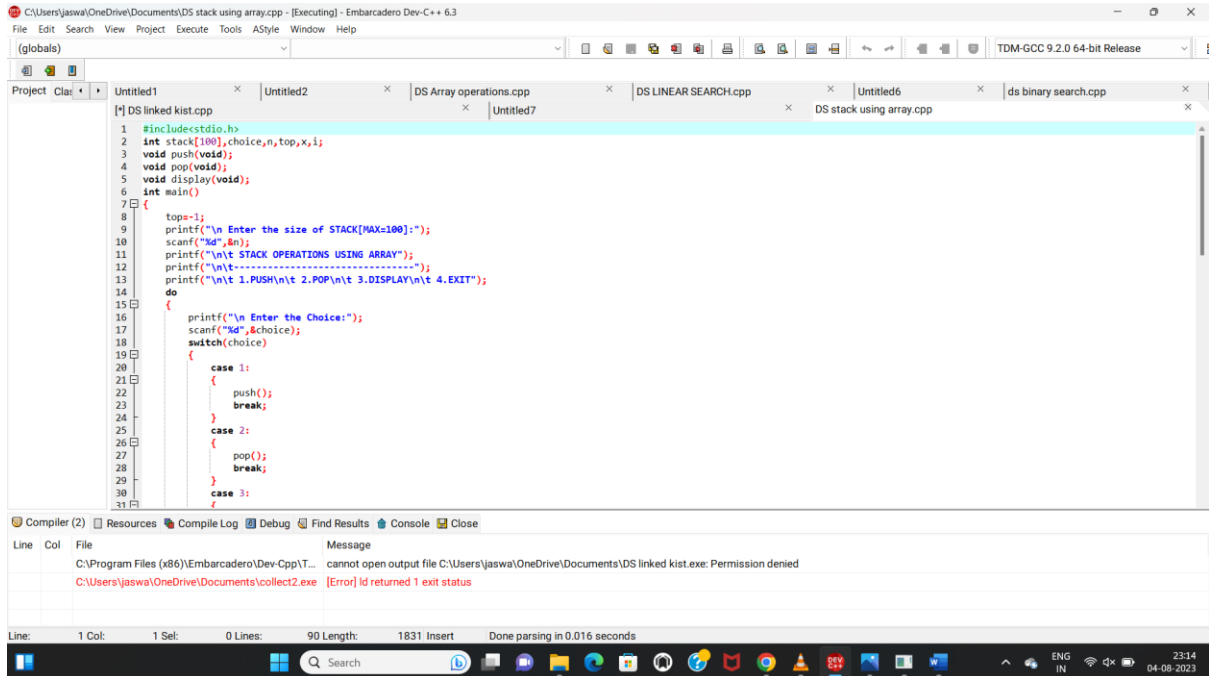


# DS STACK OPERATIONS



```
1 #include<stdio.h>
2 int stack[100], choice, n, top, x, i;
3 void push(void);
4 void pop(void);
5 void display(void);
6 int main()
7 {
8     top=-1;
9     printf("\n Enter the size of STACK[MAX=100]:");
10    scanf("%d", &n);
11    printf("\n\t STACK OPERATIONS USING ARRAY");
12    printf("\n\t-----");
13    printf("\n\t 1.PUSH\n\t 2.POP\n\t 3.DISPLAY\n\t 4.EXIT");
14    do
15    {
16        printf("\n Enter the Choice:");
17        scanf("%d", &choice);
18        switch(choice)
19        {
20            case 1:
21            {
22                push();
23                break;
24            }
25            case 2:
26            {
27                pop();
28                break;
29            }
30            case 3:
31            {
32                display();
33                break;
34            }
35            case 4:
36            {
37                printf("\n\t EXIT POINT ");
38                break;
39            }
40            default:
41            {
42                printf ("\n\t Please Enter a Valid Choice(1/2/3/4)");
43            }
44        }
45    } while(choice!=4);
46    return 0;
47 }
48 void push()
49 {
50     if(top==n-1)
51     {
52         printf("\n\t Stack is Full\n");
53     }
54     else
55     {
56         top++;
57         stack[top] = x;
58     }
59 }
```

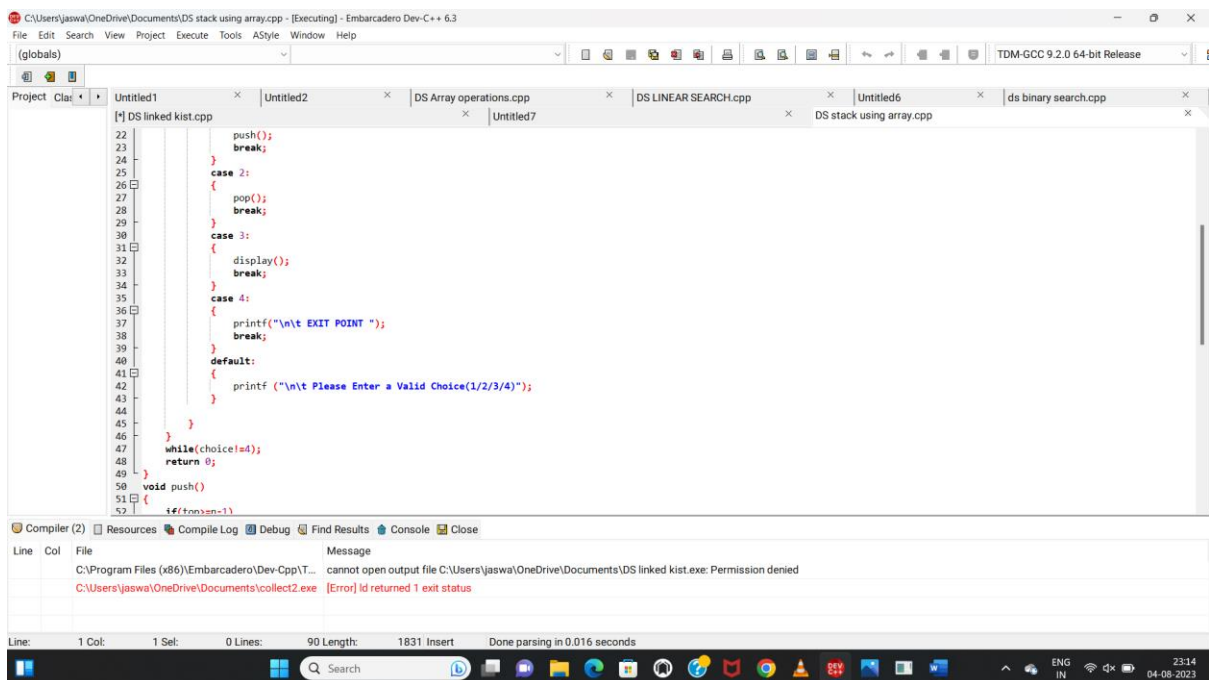
Compiler (2) Resources Compile Log Debug Find Results Console Close

Line Col File Message

C:\Program Files (x86)\Embarcadero\Dev-Cpp\T... cannot open output file C:\Users\jaswa\OneDrive\Documents\DS linked kist.exe: Permission denied

C:\Users\jaswa\OneDrive\Documents\collect2.exe [Error] ld returned 1 exit status

Line: 1 Col: 1 Sel: 0 Lines: 90 Length: 1831 Insert Done parsing in 0.016 seconds



```
22 push();
23 break;
24 }
25 case 2:
26 {
27 pop();
28 break;
29 }
30 case 3:
31 {
32 display();
33 break;
34 }
35 case 4:
36 {
37 printf("\n\t EXIT POINT ");
38 break;
39 }
40 default:
41 {
42 printf ("\n\t Please Enter a Valid Choice(1/2/3/4)");
43 }
44 }
45 } while(choice!=4);
46 return 0;
47 }
48 void push()
49 {
50     if(top==n-1)
51     {
52         printf("\n\t Stack is Full\n");
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54     else
55     {
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57         stack[top] = x;
58     }
59 }
```

Compiler (2) Resources Compile Log Debug Find Results Console Close

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