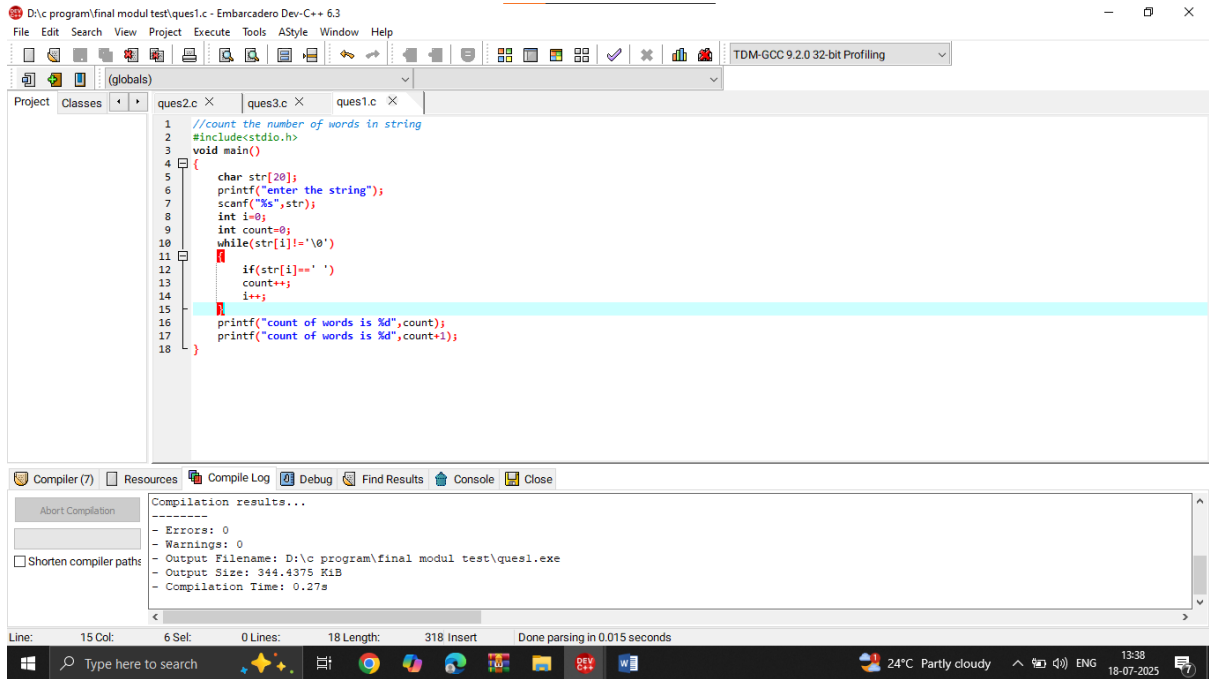# C Programming Final Module Test

Q1 WAP to count the number of words in given string

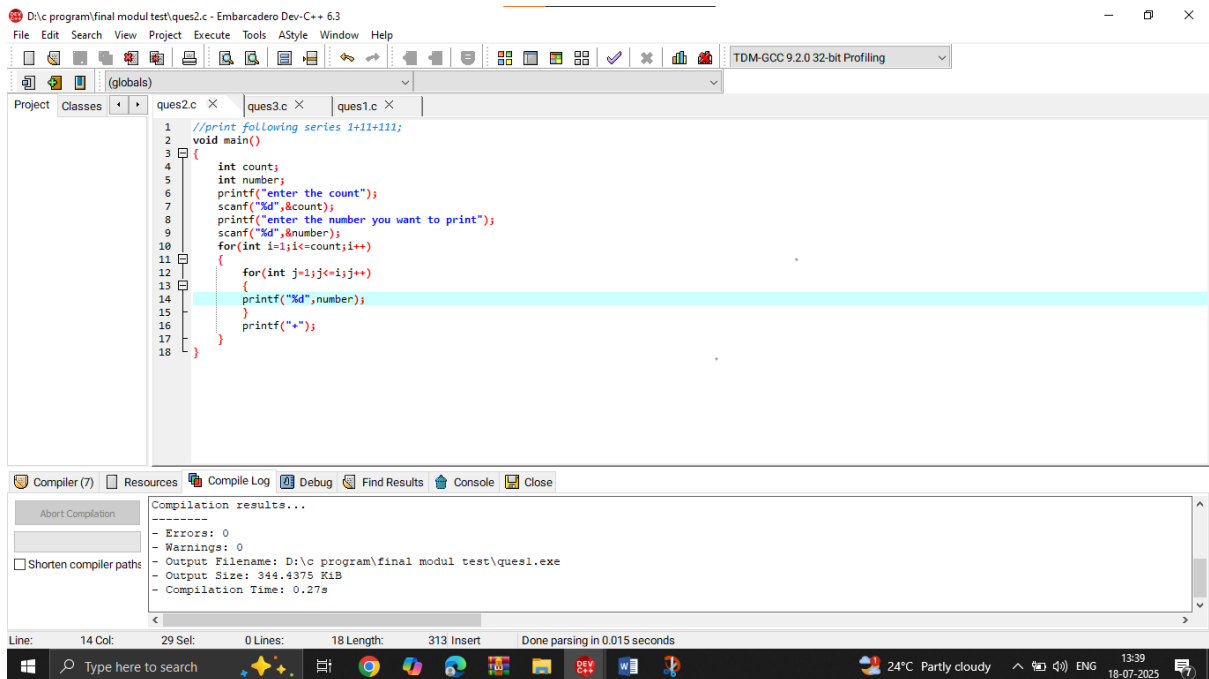

```
1   //count the number of words in string
2   #include<stdio.h>
3   void main()
4   {
5       char str[20];
6       printf("enter the string");
7       scanf("%s",str);
8       int i=0;
9       int count=0;
10      while(str[i]!='\0')
11      {
12          if(str[i]==' ')
13          count++;
14          i++;
15      }
16      printf("count of words is %d",count);
17      printf("count of words is %d",count+1);
18  }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\c program\final modul test\ques1.exe
- Output Size: 344.4375 KiB
- Compilation Time: 0.27s

Q2 WAP to print following series 1+11+111+1111…. n
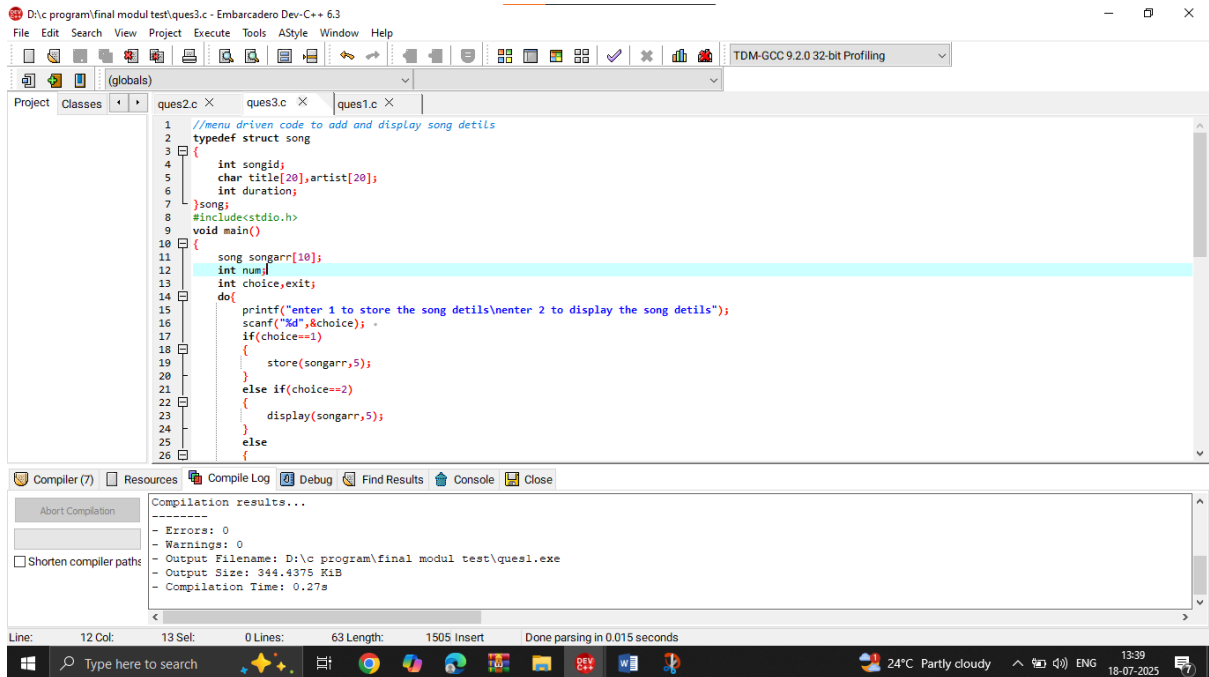

```
1   //print following series 1+11+111;
2   void main()
3   {
4       int count;
5       int number;
6       printf("enter the count");
7       scanf("%d",&count);
8       printf("enter the number you want to print");
9       scanf("%d",&number);
10      for(int i=1;i<=count;i++)
11      {
12          for(int j=1;j<=i;j++)
13          {
14          printf("%d",number);
15          }
16          printf("+");
17      }
18  }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\c program\final modul test\ques1.exe
- Output Size: 344.4375 KiB
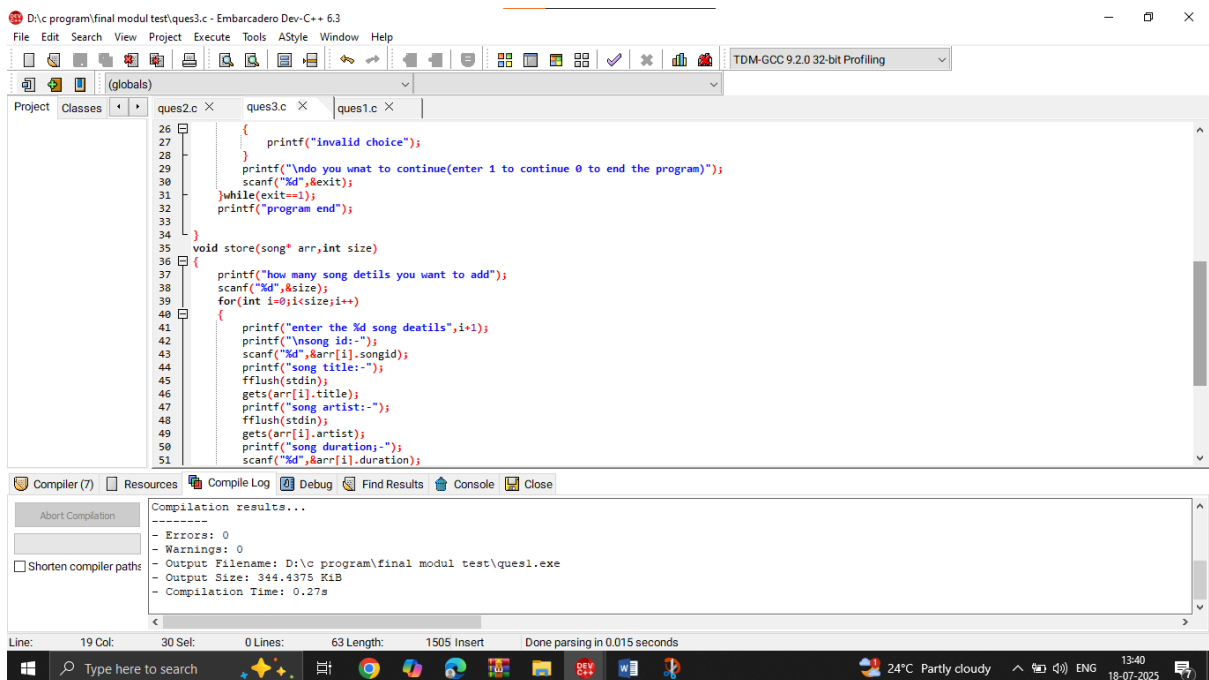- Compilation Time: 0.27s

Q3   Menu driven code to add and display song details

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 9.2.0 32-bit Profiling

(globals)

Project   Classes   ques2.c ×   ques3.c ×   ques1.c ×

```c
1     //menu driven code to add and display song detils
2     typedef struct song
3     {
4         int songid;
5         char title[20],artist[20];
6         int duration;
7     }song;
8     #include<stdio.h>
9     void main()
10    {
11        song songarr[10];
12        int num;
13        int choice,exit;
14        do{
15            printf("enter 1 to store the song detils\nenter 2 to display the song detils");
16            scanf("%d",&choice);
17            if(choice==1)
18            {
19                store(songarr,5);
20            }
21            else if(choice==2)
22            {
23                display(songarr,5);
24            }
25            else
26            {
```

Compiler (7)   Resources   Compile Log   Debug   Find Results   Console   Close

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: D:\c program\final modul test\ques1.exe
- Output Size: 344.4375 KiB
- Compilation Time: 0.27s
```

Line: 12 Col: 13 Sel: 0 Lines: 63 Length: 1505 Insert   Done parsing in 0.015 seconds

24°C Partly cloudy   ENG   13:39   18-07-2025

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

TDM-GCC 9.2.0 32-bit Profiling

(globals)

Project   Classes   ques2.c ×   ques3.c ×   ques1.c ×

```c
26            {
27                printf("invalid choice");
28            }
29            printf("\ndo you wnat to continue(enter 1 to continue 0 to end the program)");
30            scanf("%d",&exit);
31        }while(exit==1);
32        printf("program end");
33
34    }
35    void store(song* arr,int size)
36    {
37        printf("how many song detils you want to add");
38        scanf("%d",&size);
39        for(int i=0;i<size;i++)
40        {
41            printf("enter the %d song deatils",i+1);
42            printf("\nsong id:-");
43            scanf("%d",&arr[i].songid);
44            printf("song title:-");
45            fflush(stdin);
46            gets(arr[i].title);
47            printf("song artist:-");
48            fflush(stdin);
49            gets(arr[i].artist);
50            printf("song duration:-");
51            scanf("%d",&arr[i].duration);
```

Compiler (7)   Resources   Compile Log   Debug   Find Results   Console   Close

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: D:\c program\final modul test\ques1.exe
- Output Size: 344.4375 KiB
- Compilation Time: 0.27s
```

Line: 19 Col: 30 Sel: 0 Lines: 63 Length: 1505 Insert   Done parsing in 0.015 seconds

24°C Partly cloudy   ENG   13:40   18-07-2025

TDM-GCC 9.2.0 32-bit Profiling

(globals)

ques2.c ×   ques3.c ×   ques1.c ×

```c
39        for(int i=0;i<size;i++)
40        {
41            printf("enter the %d song deatils",i+1);
42            printf("\nsong id:-");
43            scanf("%d",&arr[i].songid);
44            printf("song title:-");
45            fflush(stdin);
46            gets(arr[i].title);
47            printf("song artist:-");
48            fflush(stdin);
49            gets(arr[i].artist);
50            printf("song duration;-");
51            scanf("%d",&arr[i].duration);
52        }
53    }
54    void display(song* arr,int size)
55    {
56
57        printf("\n%-5d %-15s %-30s %-25d\n","song ID", "Song title", "Artist", "Duration");
58        printf("------------------------------------------------------------------------------------------\n");
59        for (int i=0;i<size;i++)
60        {
61            printf("%-5d %-15s %-30s %-25d\n",arr[i].songid,arr[i].title,arr[i].artist,arr[i].duration);
62        }
63    }
```

Compiler (7)   Resources   Compile Log   Debug   Find Results   Console   Close

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: D:\c program\final modul test\ques1.exe
- Output Size: 344.4375 KiB
- Compilation Time: 0.27s
```

Abort Compilation

☐ Shorten compiler paths

Line: 63 Col: 2 Sel: 0 Lines: 63 Length: 1505 Insert   Done parsing in 0.015 seconds

Type here to search

24°C Partly cloudy   ENG   13:40   18-07-2025