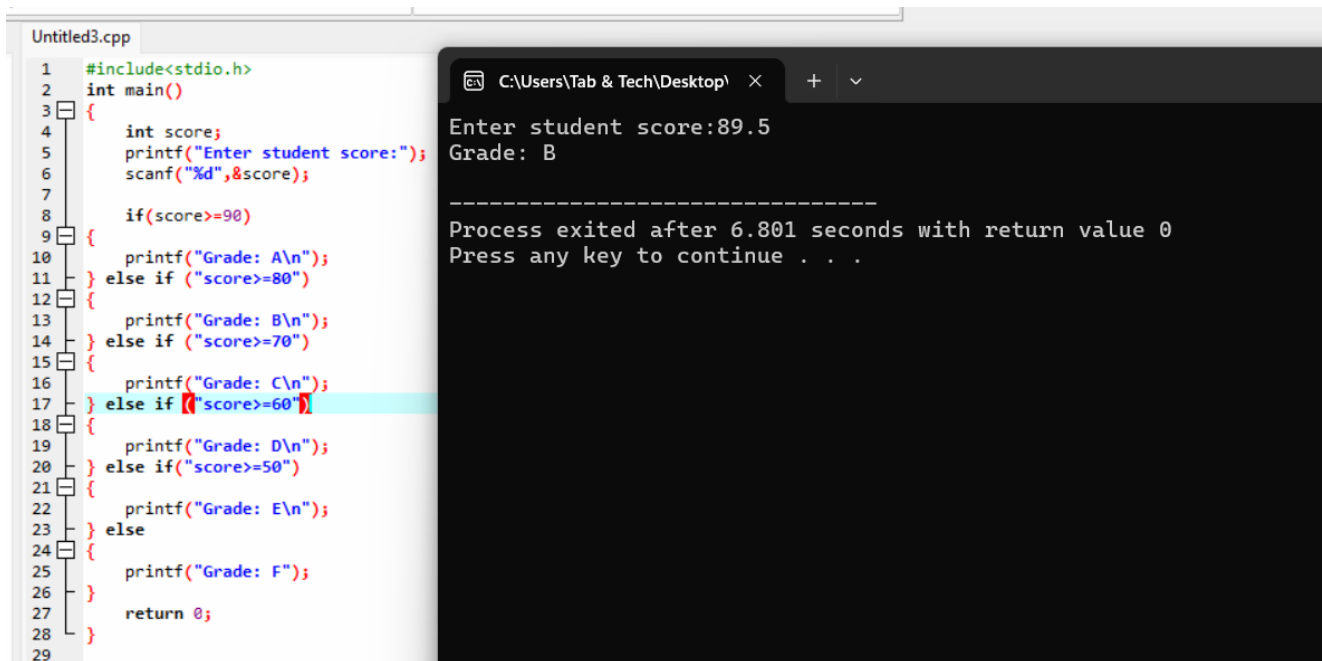


TASK 4:



The screenshot shows a C++ program in a file named 'Untitled3.cpp'. The code defines a 'main' function that prompts the user to enter a student score. It uses a series of 'if-else if' statements to assign a grade from A to F based on the score. The terminal window on the right shows the program's execution: the user enters '89.5', the program outputs 'Grade: B', and then displays a message indicating it exited after 6.801 seconds.

```
1 #include<stdio.h>
2 int main()
3 {
4     int score;
5     printf("Enter student score:");
6     scanf("%d",&score);
7
8     if(score>=90)
9     {
10        printf("Grade: A\n");
11    } else if ("score">=80)
12    {
13        printf("Grade: B\n");
14    } else if ("score">=70)
15    {
16        printf("Grade: C\n");
17    } else if ("score">=60)
18    {
19        printf("Grade: D\n");
20    } else if ("score">=50)
21    {
22        printf("Grade: E\n");
23    } else
24    {
25        printf("Grade: F");
26    }
27    return 0;
28 }
29
```

Enter student score:89.5
Grade: B

Process exited after 6.801 seconds with return value 0
Press any key to continue . . .

Task 5:



The screenshot shows a C++ program in a file named 'Untitled3.cpp'. The code defines a 'main' function that prompts the user to enter a traffic light color. It uses 'strcmp' to compare the input with 'Red', 'Yellow', and 'Green'. Depending on the input, it prints 'Stop', 'Ready', 'Go', or 'Invalid color entered'. The terminal window on the right shows the program's execution: the user enters 'red', the program outputs 'Stop', and then displays a message indicating it exited after 2.123 seconds.

```
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     char color[10];
6     printf("Enter traffic light color:");
7     scanf("%s",&color);
8
9     if(strcmp(color,"Red")==0||strcmp(color,"red")==0)
10    {
11        printf("Stop\n");
12    } else if (strcmp(color,"Yellow")==0||strcmp(color,"Yellow")==0)
13    {
14        printf("Ready\n");
15    } else if (strcmp(color,"Green")==0||strcmp(color,"green")==0)
16    {
17        printf("Go\n");
18    } else
19    {
20        printf("Invalid color entered.\n");
21    }
22    return 0;
23 }
24
```

Enter traffic light color:red
Stop

Process exited after 2.123 seconds with return value 0
Press any key to continue . . . |