

ASSIGNMENT-04

1. Write a program to reverse a word using loop?

Sample Input:

String: TEMPLE

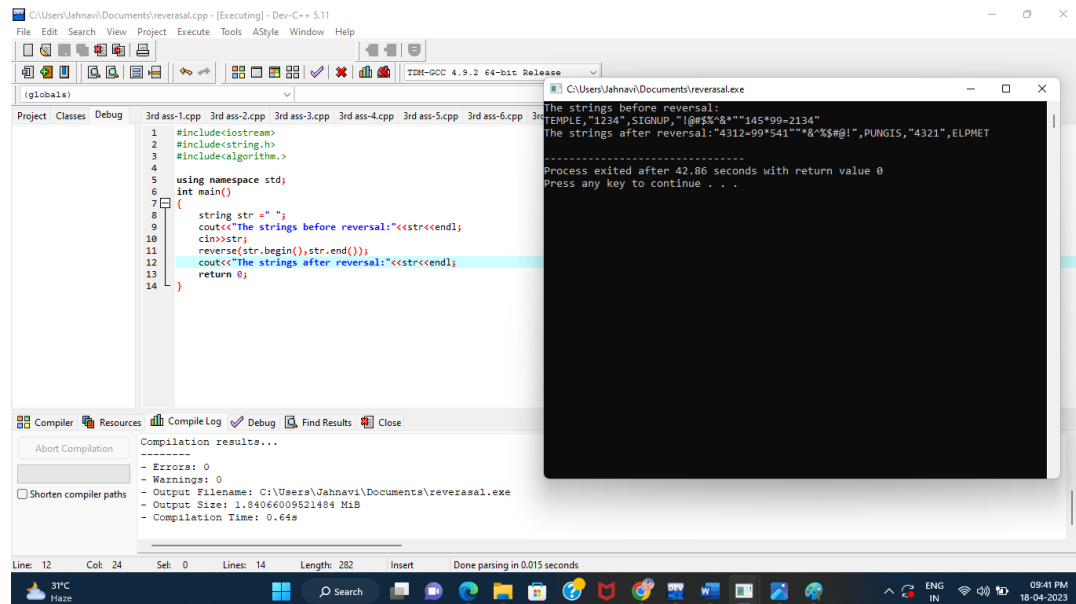
Sample Output:

Reverse String: ELPMET

Test cases:

1. SIGN UP
2. AT-LEAST
3. 1245
4. !@#\$\$%
5. 145*999=144855

OUTPUT:



The screenshot shows the Dev-C++ IDE with a C++ program in the editor and its output in a separate window. The program reads a string from the user and reverses it using a loop. The output window displays the original string, the reversed string, and the program's exit message.

```
1 #include<iostream>
2 #include<string.h>
3 #include<algorithm>
4
5 using namespace std;
6 int main()
7 {
8     string str = "";
9     cout<<"The strings before reversal:"<<str<<endl;
10    cin>>str;
11    reverse(str.begin(),str.end());
12    cout<<"The strings after reversal:"<<str<<endl;
13    return 0;
14 }
```

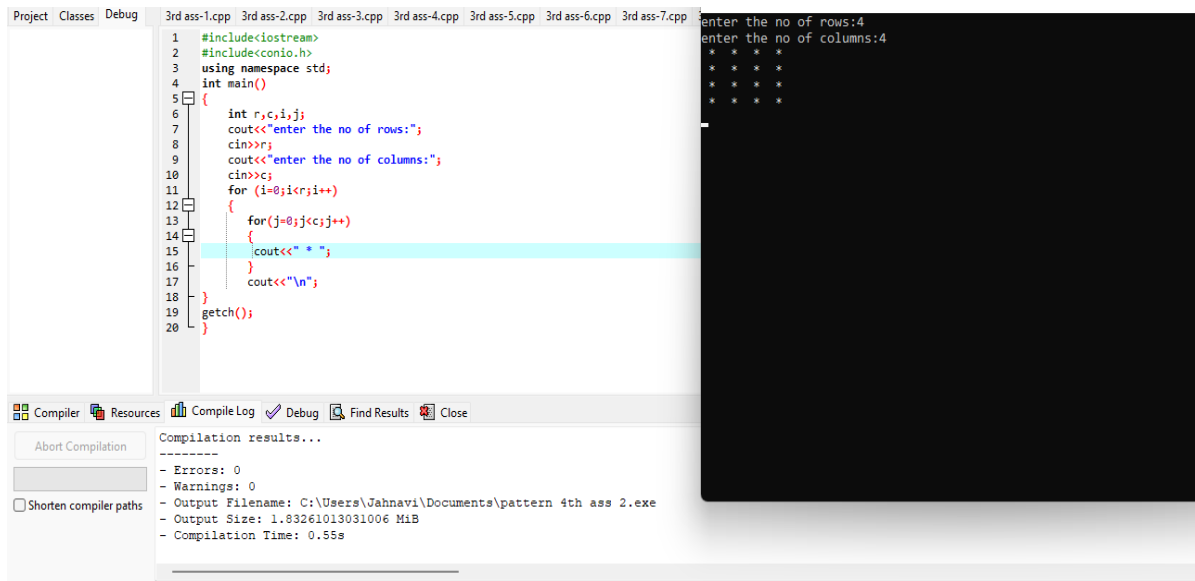
Output:

```
The strings before reversal:
TEMPLE,"1234",SIGNUP,"!@#%&*""145*99-2134"
The strings after reversal:"4312-99*541""*%$#@!",PUNGIS,"4321",ELPMET
-----
Process exited after 42.86 seconds with return value 0
Press any key to continue . . .
```

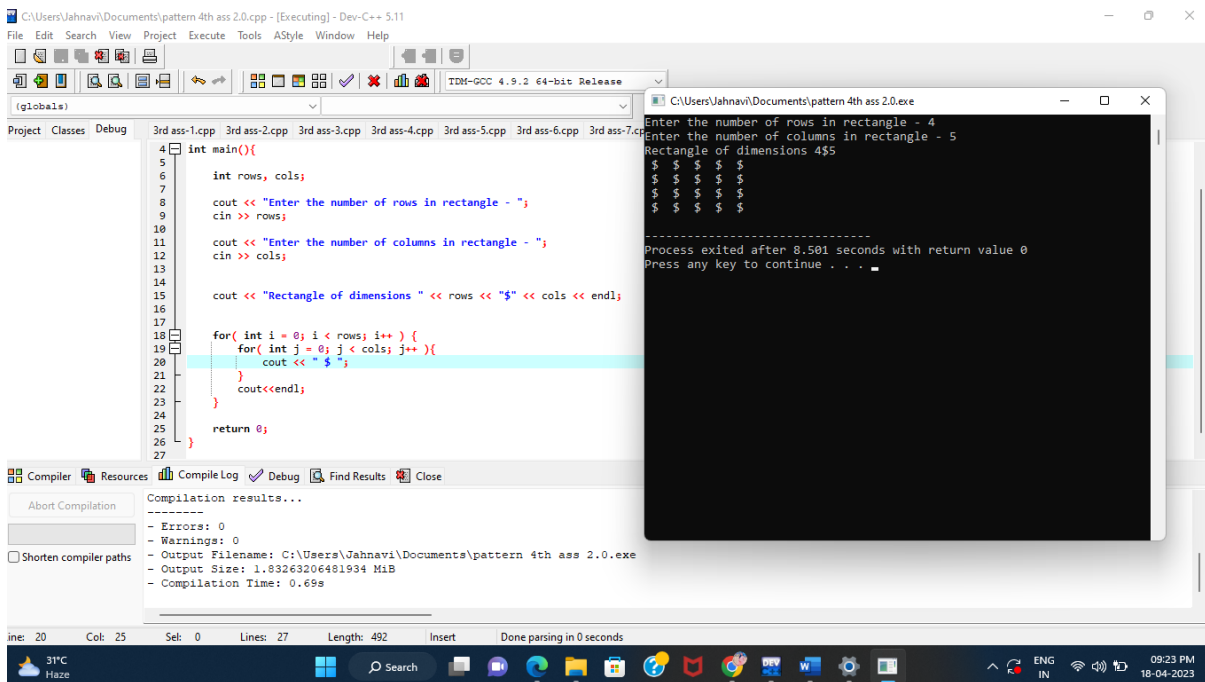
2. Write a program to print square star and rectangle dollar pattern?

OUTPUTS:

2(1):

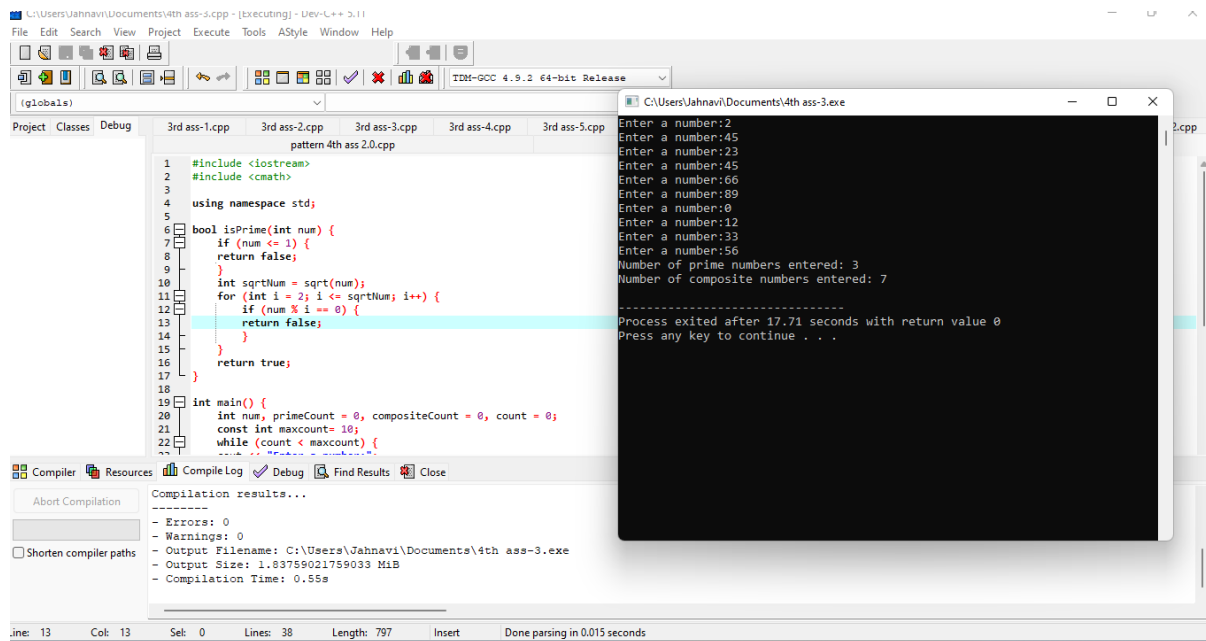


2b:



3. Write a program to count all the prime and composite numbers entered by the user.

OUTPUT:



4. 4 Write a program to check the entered user name is valid or not. Get both the inputs from the user.

Sample Input:

Enter the user name: Saveetha@789

Re enter the user name: Saveetha@123

Sample Output:

User name is Invalid

OUTPUT:

