



Daffodil
International
University

Lab Report-2

Course Code: CSE332

Course Title: Compiler Design

SUBMITTED TO

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Title: Write a Program to recognize whether its a Single Line Comment Or Multiline Comment.

Description:

This code checks if a given string is a single line comment or a multi-line comment in C++.

The code starts by taking the input string from the user . The length of the string is then found using which is store in n.

The code then checks if the string is a single line comment by checking if the first two characters of the string are //. If this is true, the code prints "single line comment".

Next, the code checks if the string is a multi-line comment by checking if the first two characters of the string are /* and the last two characters are */. If this is true, the code prints "Multiline Comment".

If the string is not a single line or multi-line comment, the code prints "No comment".

Code:

```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    string str;
    cin>>str;
    int n=str.size();
    if(str[0]=='/' && str[1]=='/')
    {
        printf("single line Comment");
    }
}
```

```
else if(str[0]=='/' && str[1]=='*' && str[n-1]=='/' && str[n-2]=='*')
{
    printf("Multiline Comment");
}
else
{
    printf("No comment");
}

return 0;
}
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS D:\Versity\test> cd "d:\Versity\8th semester\Compiler Design Lab\" ; if ($?) { g++ lab-
-2 }
//aysha
single line Comment
PS D:\Versity\8th semester\Compiler Design Lab> █
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS D:\Versity\test> cd "d:\Versity\8th semester\Compiler Design Lab\" ; if ($?) { g++ lab
-2 }
/*aysha*/
Multiline Comment
PS D:\Versity\8th semester\Compiler Design Lab> █
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS D:\Versity\test> cd "d:\Versity\8th semester\Compiler Design Lab\" ; if ($?)  
-2 }  
/aysha  
No comment  
PS D:\Versity\8th semester\Compiler Design Lab> █
```