

Cpp Practicals\Q3\Q3.cpp

```
1  /*
2  3. Write a program that prints a table indicating the number of
3  occurrences of each alphabet in the text entered as command line arguments.
4
5  */
6  #include <iostream>
7  #include <string>
8  using namespace std;
9  int noOfChar(string str, char ch)
10 {
11     int count = 0;
12     for (int i = 0; i < str.length(); i++)
13     {
14         if (ch == str[i])
15         {
16             count++;
17         }
18     }
19
20     return count;
21 }
22
23 int main(int argc, char *argv[])
24 {
25
26     string text = argv[1];
27     string printedChar;
28     cout<<"String : "<<text<<endl;
29     cout<<"| char |occurance |"<<endl;
30     for (int i = 0; i < text.length(); i++)
31     {
32         printedChar += text[i];
33
34         if(noOfChar(printedChar, text[i]) ==1 )
35         {
36             cout<<"|   "<<text[i]<<"   |   "<<noOfChar(text, text[i])<<"   |"<<endl;
37         }
38
39     }
40
41 }
42
43
44 /*
45 Terminal output
46
47 PS C:\Users\hp\Desktop\Cpp\Cpp Practicals\Q3> ./Q3.exe "apple"
48 String : apple
49 | char |occurance |
50 | a   | 1       |
51 | p   | 2       |
52 | l   | 1       |
53 | e   | 1       |
54 PS C:\Users\hp\Desktop\Cpp\Cpp Practicals\Q3>
55
56 */
```