

Practical-3

Code:

```
//program to count the occurrence of each character
```

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
int main(int argc, char *argv[])
```

```
{
```

```
    string str="";           //defining variables
```

```
    int count[26];
```

```
    int x;
```

```
    for(int i=0 ; i<26 ; i++)
```

```
    {
```

```
        count[i]=0;         //initialising count to 0
```

```
    }
```

```
    cout << "The text you entered in command line::" << endl;
```

```
    for(int i=1 ; i<argc ; i++)
```

```
    {
```

```
        cout << argv[i] << endl;
```

```
        str+=argv[i];        //adding the values of argv in str
```

```
    }
```

```

for(int i=0 ; i<str.length() ; i++)
{
    if(str[i]>='A' && str[i]<='Z')
    {
        x=int(str[i])-65;    //checking for alphabets
        count[x]++;         //counting the occurrence
    }
    else if(str[i]>='a' && str[i]<='z')
    {
        x=int(str[i])-97;    //checking for alphabets
        count[x]++;         //counting the occurrence
    }
}

```

```

cout<<"Occurrence of the characters:.";

```

```

for(int i=0 ; i<26 ; i++)

```

```

{
    //printing the final result
    cout << endl << char(65+i) << "-->" << count[i];
}

```

```

return 0;

```

```

}

```

Output:-

Command Prompt

```
Microsoft Windows [Version 10.0.19042.685]
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C:\Users\harsh>cd desktop

C:\Users\harsh\Desktop>cd Practicales

C:\Users\harsh\Desktop\Practicales>g++ Practical-3.cpp -o Practical-3.exe

C:\Users\harsh\Desktop\Practicales>Practical-3.exe coding is not that simple
The text you entered in command line::
coding
is
not
that
simple
Occurance of the characters::
A-->1
B-->0
C-->1
D-->1
E-->1
F-->0
G-->1
H-->1
I-->3
J-->0
K-->0
L-->1
M-->1
N-->2
O-->2
P-->1
Q-->0
R-->0
S-->2
T-->3
U-->0
V-->0
W-->0
X-->0
Y-->0
Z-->0
C:\Users\harsh\Desktop\Practicales>_
```

Harsh Bamotra

AC-1216

