

write a c program to count total occurrence of each character in a given file

```
#include <stdio.h>
```

```
#include <string.h>
```

```
#include <ctype.h>
```

```
struct detail
```

```
{ char chr;
```

```
int freq; };
```

```
int main()
```

```
{ FILE *fp;
```

```
struct detail s[50];
```

```
char string[500];
```

```
char ch;
```

```
int i=0; index;
```

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

```
{ s[i].chr = i + 'a';
```

```
s[i].freq = 0;
```

```
}
```

```
fp = fopen("test.txt", "r");
```

```
if (fp == NULL)
```

```
{ printf("error in reading file\n"); }
```

```
for (ch = getc(fp); ch != EOF; ch = getc(fp))
```

```
{ string[i++] = ch;
```

```
ch = tolower(ch);
```

```
index = ch - 'a';
```

```
s[index].freq++;
```

```
}
```

```
String s = "10";
```

```
printf("By plateer 1n");
```

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

```
{ if (s[i].freq)
```

```
{ printf("It is %c with %d times", s[i].char, s[i].freq);
```

```
3 3 3
```



JIP: Hello welcome

O/P

By proteer

c 1

e 3

n 1

r 3

m 1

o 2

w 1