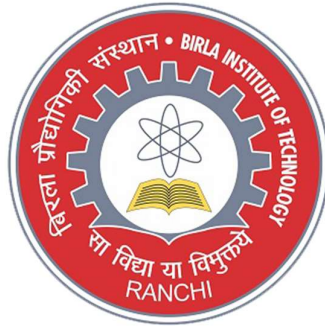


Birla Institute of Technology, Mesra,
Patna Campus



CD-Assignment

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#Assignment-4

11. Write a program to count those words which will start from alphabet 'a' of a text file.

CODE:

```
#include <stdio.h>

#include <stdlib.h>

int main()
{
    FILE * file;

    char* path =
"C:\\Users\\vampirepapi\\Desktop\\nowhere\\Codes\\Cpp\\test.txt";

    char ch;

    int char_a, characters;

    file = fopen(path, "r");

    if (file == NULL)
    {
        printf("\nUnable to open file.\n");

        printf("Please check if file exists and you have read privilege.\n");

        exit(EXIT_FAILURE);
    }

    characters = 0;

    char_a = 0;
```

```
//printf("The content of the file %s are : \n",path);
while ((ch = fgetc(file)) != EOF)
{
    characters++;
    // printf("%c",ch);
    if (ch == 'a' || ch == 'A')
        char_a++;
}

printf("\n");
printf("Total words which will start from alphabet 'a' = %d\n", char_a);
printf("\n");
fclose(file);

return 0;
}
```

Output:

```
Total words which will start from alphabet 'a' = 4  
[Finished in 0.9s]
```

⋮ ECC: [READY], 37 lines, 809 characters selected

12. Write a program to count those words which will start from alphabet “a” of even line of a text file.

CODE:

```
#include <stdio.h>  
  
#include <stdlib.h>  
  
  
int main()  
{  
    FILE * file;  
  
    char* path =  
"C:\\\\Users\\vampirepapi\\Desktop\\nowhere\\Codes\\Cpp\\test.txt";  
  
    char ch;  
  
    int char_a, characters;  
  
    file = fopen(path, "r");
```

```
if (file == NULL)
{
    printf("\nUnable to open file.\n");
    printf("Please check if file exists and you have read privilege.\n");

    exit(EXIT_FAILURE);
}
```

```
characters = 0;
char_a = 0;
//printf("The content of the file %s are : \n",path);
```

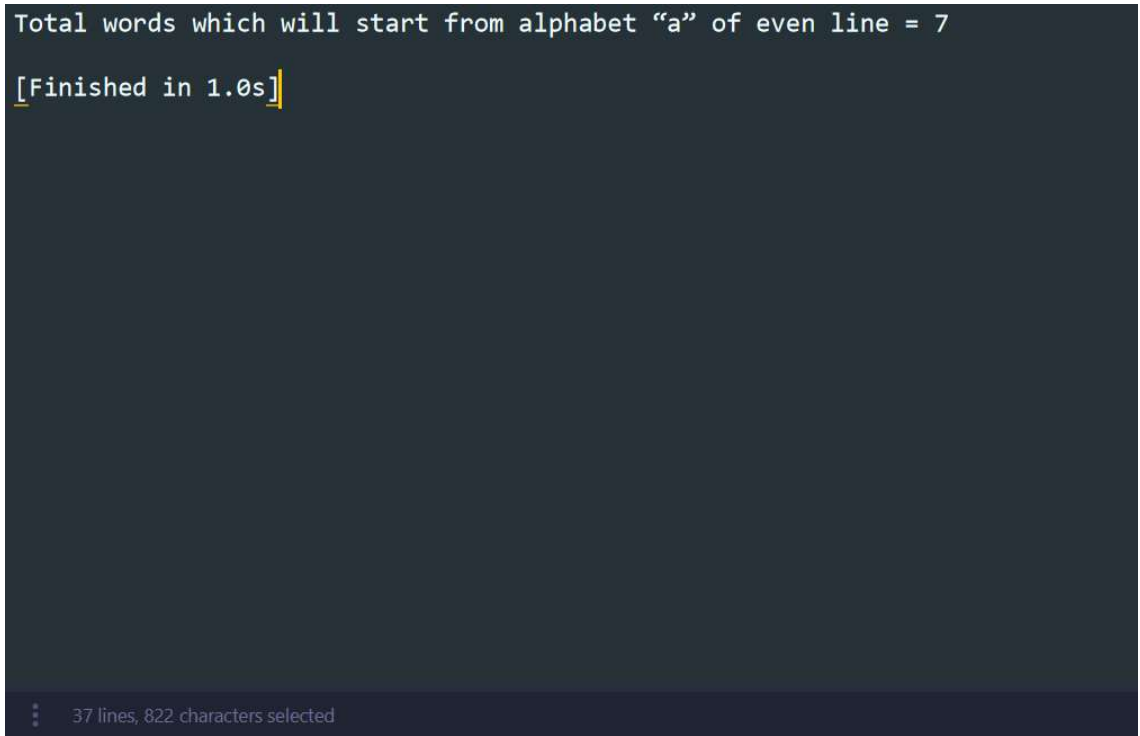
```
    for(i=0; i<n; i++)
{
    if(a[i]%2==0)
        even++;
}
```

```
while ((ch = fgetc(file)) != EOF)
{
    characters++;
    // printf("%c",ch);
    if (ch == 'a' || ch == 'A')
        char_a++;
}
```

```
printf("\n");
```

```
    printf("Total words which will start from alphabet \"a\" of even line = %d\\n",  
char_a);  
    printf("\\n");  
    fclose(file);  
  
    return 0;  
}  
}
```

Output:



```
Total words which will start from alphabet "a" of even line = 7  
[Finished in 1.0s]
```

37 lines, 822 characters selected