

⑧ To check given string is a keyword or not.

```
#include <stdio.h>
#include <conio.h>
#include <string.h>
void main() {
    int i, flag = 0, m;
    char s[5][10] = {"if", "else", "goto", "break",
                    "continue"};
    printf("Enter the string: ");
    gets(st);
    for(i = 0; i < 5; i++) {
        m = strcmp(st, s[i]);
        if(m == 0) {
            flag = 1;
        }
        if(flag == 0) {
            printf("\n It is not a keyword ");
        }
        else {
            printf("\n It is a keyword ");
        }
    }
    getch();
}
```

Gurjani  
4/10/21

⑧ WAP to find no. of word in a given text file.

```
#include <stdio.h>
int main () {
    char ch;
    FILE *file;
    int count;
    file = fopen("data.txt", "r");
    ch = fgetc(file);
    if (ch == EOF) {
        printf("The file is Empty !!!");
    }
    else {
        count = 1;
        printf("The string is: ");
        while (ch != EOF) {
            if (ch == " " || ch == "\n") {
                count++;
            }
            printf("%c", ch);
            ch = fgetc(file);
        }
        printf("In number of words in given file: %d", count);
        fclose(file);
        return 0;
    }
}
```

Gurjani  
9/10/21



Q WAP to count number of operators in given file.

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

```
void main() {
```

```
    char ch;
```

```
    int count = 0;
```

```
    FILE *fp;
```

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

```
    ch = fgetc(fp);
```

```
    if (ch == EOF) {
```

```
        printf("The file is Empty!!!");
```

```
    } else {
```

```
        printf("The string is: ");
```

```
        while (ch != EOF) {
```

```
            if (ch == "+" || ch == "-" || ch == "/" ||
```

```
                || ch == "*" || ch == "." || ch == "!") {
```

```
                count++;
```

```
            }
```

```
            printf("%c", ch);
```

```
            ch = fgetc(fp);
```

```
        }
```

```
        printf("In Total operators are: %d",
```

```
            count);
```

```
    }
```

```
    fclose(fp);
```

```
}
```

Gurjani  
18/10/21

Q WAP to count total number of keywords through a given input file.

```
#include <stdio.h>
#include <string.h>
void main() {
    char ch, fc[100], str[10];
    int count = 0;
    FILE *fp;
    fp = fopen("test.txt", "w");
    printf("Enter a string: ");
    scanf("%[^\\n] %s", fc);
    fprintf(fp, fc);
    fclose(fp);
    fp = fopen("test.txt", "r");
    printf("\n The keywords are: ");
    while (!feof(fp)) {
        fscanf(fp, "%s", str);
        if (strcmp(str, "int") == 0 ||
            strcmp(str, "double") == 0 ||
            strcmp(str, "float") == 0 ||
            strcmp(str, "long") == 0 ||
            strcmp(str, "break") == 0 ||
            strcmp(str, "if") == 0 ||
            strcmp(str, "else") == 0 ||
            strcmp(str, "goto") == 0 ||
            strcmp(str, "void") == 0) {
```



Date: .....

Expt. No.: .....

Page No.: .....

```
count ++;  
fprintf("%s ", str);  
}
```

```
}  
printf("In Total Keywords are: %d  
in %n", count);  
fclose(fp);
```

```
printf("Written By: 19ESK17035 -  
Jayesh Soni");
```

```
}
```

~~Gunjan~~  
22/11/22

Aim: WAP to print the characters and its count from a given string.

```
#include <stdio.h>
void main () {
    int arr[123] = {0}, i;
    char ch;
    FILE *fp;
    fp = fopen("test.txt", "r");
    ch = fgetc(fp);
    if (ch == EOF) {
        printf("File is empty!!");
    }
    else {
        while (!feof(fp)) {
            arr[ch] = arr[ch] + 1;
            ch = fgetc(fp);
        }
        for (i = 0; i < 123; i++) {
            if (arr[i] != 0)
                printf("In file comes %d times", i, arr[i]);
        }
    }
}
```

*Gurjans* 21/11/21

Date: 15/11/21

Expt. No.: 6

Page No.: 7

Aim: WAP to count number of vowels in a string read from file.

```
#include <stdio.h>
void main() {
    int count = 0;
    char c;
    FILE *fp;
    fp = fopen("test.txt", "r");
    c = fgetc(fp);
    if (c == EOF) {
        printf("File is empty !!");
    }
    else {
        while (!feof(fp)) {
            if (c == 'a' || c == 'A' || c == 'e' || c == 'E' ||
                c == 'i' || c == 'I' || c == 'o' || c == 'O' ||
                c == 'u' || c == 'U')
                count++;
            c = fgetc(fp);
        }
        printf("In total number of vowels are: %d", count);
    }
}
```

Gurjau  
22/11/21