

#

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[50] = {"if", "else", "goto", "break",
                  "continue", "for", "while"};
    printf("Enter the string: ");
    gets(st);
    for(i=0; i<5; i++) {
        m = strcmp(st, s[i]);
        if(m == 0) {
            flag = 1;
        }
        if(flag == 1) {
            printf("It is a keyword");
        }
    }
    getch();
}
```

~~Gujujan~~
10/10

① WAP to find no. of words 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 ("\nNumber of words in given file : %d", count);
    }
    fclose (file);
    return 0;
}
```

Gujjarg
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++;
            ch = fgetc(fp);
        }
        printf("\nTotal operators are: %d", count);
    fclose(fp);
}
```

~~Gujarati
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 ("%s", str);
    fprintf (fp, str);
    fclose (fp);
    fp = fopen ("test.txt", "r");
    printf ("In The keywords are: ");
    while (!feof (fp))
    {
        fscanf (fp, "%s", str);
        if (strcmp (str, "int") == 0) {
            if (strcmp (str, "double") == 0)
                count++;
            if (strcmp (str, "float") == 0)
                count++;
            if (strcmp (str, "long") == 0)
                count++;
            if (strcmp (str, "break") == 0)
                count++;
            if (strcmp (str, "if") == 0)
                count++;
            if (strcmp (str, "else") == 0)
                count++;
            if (strcmp (str, "goto") == 0)
                count++;
            if (strcmp (str, "void") == 0)
                count++;
        }
    }
}
```

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```
count++;
printf("%s ", str);
}
printf("In Total Keywords are : %d
      In %", count);
fclose(fp);
printf("Written By: 19ESKIT035 -
      Jayesh Soni");
```

}

~~Gujarati~~ 22/11/21

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 ("\n %c comes %d times", i, arr[i]);
        }
    }
}
```

~~Gujarati~~

Date: 15/11/21

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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);
    }
}
```

~~Guru Ram~~