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D1 - 19BCE245
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Practical 10

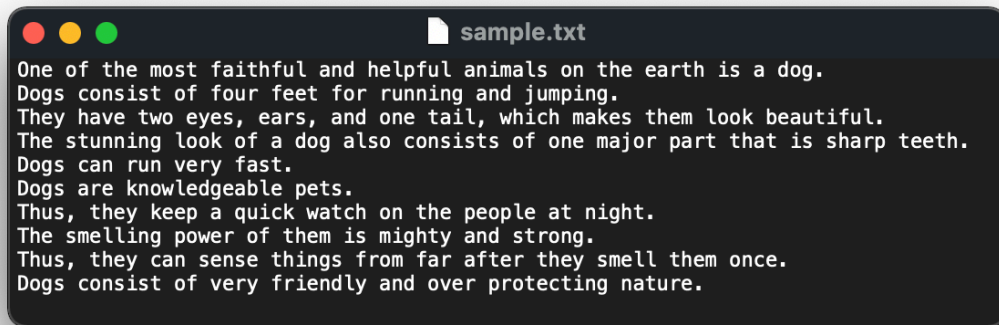
Write a C program to implement grep command.

CODE :

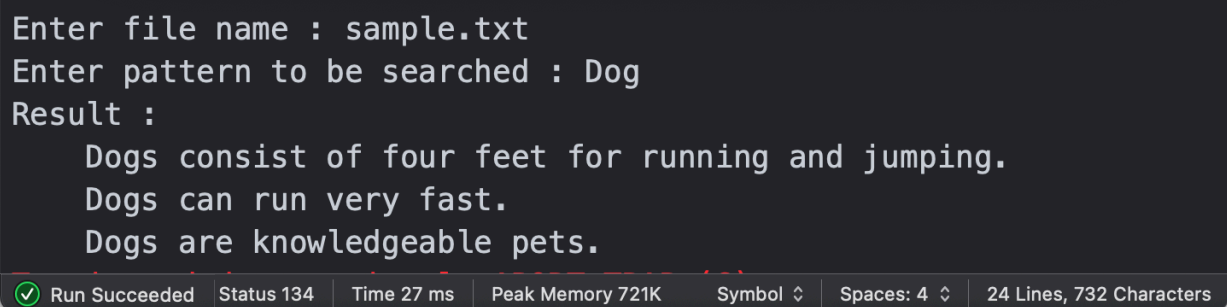
```
1. // Write a C program to implement grep command.

2. #include<stdio.h>
3. #include<string.h>
4. int main()
5. {
6.     char fn[10],pat[10],temp[200];
7.     FILE *fp;
8.     printf("Enter file name : ");
9.     scanf("%s",fn);
10.    printf("Enter pattern to be searched : ");
11.    scanf("%s",pat);
12.    fp=fopen(fn,"r");           //opening file in reading mode.
13.    printf("Result : \n");
14.    while(!feof(fp))           //checking weather it is the
        end of the file or not.
15.    {
16.        fgets(temp,1000,fp);    //fetching line
        from file
17.        if(strstr(temp,pat))
18.            printf("\t%s",temp); // if condition
        satisfied then printing the line as result.
19.    }
20.    fclose(fp);                //closing file as work is done.
21.    return 0;
22.}
```

sample.txt file :



```
sample.txt
One of the most faithful and helpful animals on the earth is a dog.
Dogs consist of four feet for running and jumping.
They have two eyes, ears, and one tail, which makes them look beautiful.
The stunning look of a dog also consists of one major part that is sharp teeth.
Dogs can run very fast.
Dogs are knowledgeable pets.
Thus, they keep a quick watch on the people at night.
The smelling power of them is mighty and strong.
Thus, they can sense things from far after they smell them once.
Dogs consist of very friendly and over protecting nature.
```

OUTPUT:

```
Enter file name : sample.txt
Enter pattern to be searched : Dog
Result :
    Dogs consist of four feet for running and jumping.
    Dogs can run very fast.
    Dogs are knowledgeable pets.
```

✓ Run Succeeded	Status 134	Time 27 ms	Peak Memory 721K	Symbol ↕	Spaces: 4 ↕	24 Lines, 732 Characters
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