

grep Command

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

int main(int argc, char *argv[])
{
    char path[50], pattern[50], str[1000], temp[100];
    char *res;
    struct stat sb;
    int ptr, i, k;

    strcpy(pattern, argv[1]);
    strcpy(path, argv[2]);

    ptr = open(path, ORDONLY);

    fstat(ptr, &sb);

    read(ptr, str, sb.st_size);

    //printf("%s", str);

    for(i = 0; i < strlen(str); i++)
    {
        k=0;
        while(str[i] != '\n')
        {
            temp[k] = str[i];
            i++;
            k++;
        }
        temp[k] = '\0';

        //printf("%s\n", temp);
        res = strstr(temp, pattern);

        if(res)
            printf("\n%s", temp);

    }

    printf("\n\n");

    return 0;
```

```
}
```

Output

```
42813@user:/mnt/42813/oslab/latex/programs/1$ gcc grep.c
42813@user:/mnt/42813/oslab/latex/programs/1$ ./a.out Hello
    farhan
```

```
Hello World
Hello Debian
Hello HP
```