

SPOT

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Write a program to read all txt files (that is files that ends with .txt) in the current directory and merge them all to one txt file and returns a file descriptor for the new file.

```
[s2019103023@centos8-linux Thu Mar 25 12:03 PM lab06]$ cat f1.txt
Hello everyone
```

```
[s2019103023@centos8-linux Thu Mar 25 12:03 PM lab06]$ cat f2.txt
I'm JK
```

```
[s2019103023@centos8-linux Thu Mar 25 12:03 PM lab06]$ cat f3.txt
From CSE, CEG
```

```
[s2019103023@centos8-linux Thu Mar 25 12:03 PM lab06]$
```

```
[s2019103023@centos8-linux Thu Mar 25 12:09 PM lab06]$ cat spot.c
#include<stdio.h>
# include<fcntl.h>
#include<dirent.h>
#include<string.h>

int openf(char *);
int main() {
    DIR *i;
    struct dirent *k;
    int j, l, s, flag = 1, fd, fd1;
    char *m = ".txt";
    char ch;
    fd1 = openf("list.txt");
    i = opendir(".");
    printf("\n%d\n", i);
    while((k = readdir(i)) != NULL) {
        flag = 1; l = strlen(k -> d_name);
        for(j = l - 1, s = 0; j >= l - 4, s < 4 ; j--, s++) {
            if((k -> d_name[j]) != m[s]) {
                flag = 0;
                goto q;
            }
        }
        q: if(flag == 1) {
            fd = openf(k -> d_name);
            while(read(fd, &ch, 1))
                write(fd1, &ch, 1);
            close(fd);
        }
        printf("\n");
        close(fd1);
    }
}

int openf(char *s) {
    int fd; fd = open(s, O_RDWR | O_CREAT, 0666);
    if(fd < 1)
        perror("Opening error");
    else
        printf("input file open succesfull fd = %d\n", fd);
    return fd;
}

[s2019103023@centos8-linux Thu Mar 25 12:09 PM lab06]$
```

```
[s2019103023@centos8-linux Thu Mar 25 12:07 PM lab06]$ ./spot  
input file open succesfull fd = 3
```

16463536

```
[s2019103023@centos8-linux Thu Mar 25 12:08 PM lab06]$ cat list.txt  
Hello everyone
```

I'm JK

From CSE, CEG