

## Experiment g-2

# include <stdio.h>

```
int main() {  
    file *fp;  
    char ch;}
```

```
fp = fopen ("myfile.txt", "r");  
if (fp == NULL) {  
    printf ("Error Opening file !\n");  
    return 1;}
```

}

```
printf ("file Content : \n");  
while ((ch = fgetc(fp)) != EOF) {  
    putchar(ch);}
```

}

```
fclose (fp);
```

```
return 0;
```

}

Remarks:

Teacher's Signature \_\_\_\_\_

The screenshot shows a code editor window in Visual Studio Code (VS Code) with the following details:

- Title Bar:** Welcome, #include <stdio.h> Untitled-1, Settings.
- Code Editor:** A C program that reads characters from a file named "sample.txt". The code includes error handling for file opening and a loop to read characters until EOF.
- Terminal:** Shows the command-line output of running the program. It includes the command to compile and run, the output of the program itself ("Reading file character by character: hello i am Rajat"), and the prompt "rajatsingh@Rajats-MacBook-Air main.c %".
- Sidebar:** Shows a tree view of the project structure, including "src" and "tempCodeRunnerFile.c".

```
1 #include <stdio.h>
2
3 int main() {
4     FILE *fp;
5     char ch;
6
7     fp = fopen("sample.txt", "r");
8     if (fp == NULL) {
9         printf("File not found!\n");
10        return 1;
11    }
12
13    printf("Reading file character by character:\n");
14
15    while ((ch = fgetc(fp)) != EOF) {
16        putchar(ch);
17    }
18
19    fclose(fp);
20    return 0;
21 }
```

PROBLEMS    OUTPUT    DEBUG CONSOLE    **TERMINAL**    PORTS

```
cd "/Users/rajatsingh/main.c/" && gcc tempCodeRunnerFile.c -o tempCodeRunne
rFile && "/Users/rajatsingh/main.c/"tempCodeRunnerFile
● rajatsingh@Rajats-MacBook-Air main.c % cd "/Users/rajatsingh/main.c/" && gc
c tempCodeRunnerFile.c -o tempCodeRunnerFile && "/Users/rajatsingh/main.c/""
tempCodeRunnerFile
Reading file character by character:
hello i am Rajat
○ rajatsingh@Rajats-MacBook-Air main.c %
```

- Σ zsh
- Σ zsh
- Σ Code