

Experiment 9-3

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

```
int main() {
```

```
FILE *fp;  
char line[200];
```

```
fp = fopen ("myfile..txt", "r");
```

```
if (fp == NULL) {
```

```
printf ("Error opening file\n");
```

```
return 1;
```

}

```
printf ("File Content:\n");
```

```
while (fgets (line, sizeof (line), fp) != NULL) {
```

```
printf ("%s", line);
```

}

```
fclose (fp);  
return 0;
```

}

The screenshot shows the Visual Studio Code interface. The top bar includes 'Welcome', 'Untitled-1' (containing a C program), 'Settings', and various icons. The main editor area displays the following C code:

```
3 int main() {
4     FILE *fp;
5     char line[200];
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 line by line\n");
14
15 while (fgets(line, sizeof(line), fp) != NULL) {
16     printf("%s", line);
17 }
18
19 fclose(fp);
20 return 0;
21 }
```

The bottom section features a terminal window with the following history:

- cd "/Users/rajatsingh/main.c/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/Users/rajatsingh/main.c/"tempCodeRunnerFile
- rajatsingh@Rajats-MacBook-Air main.c % cd "/Users/rajatsingh/main.c/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/Users/rajatsingh/main.c/"tempCodeRunnerFile
- Reading file line by line
- hello i am Rajat
- rajatsingh@Rajats-MacBook-Air main.c %

A dropdown menu in the terminal tab shows options: zsh, zsh, and Code.