

File Open mode (Without Content)

```
FILE* fptr;  
  
fptr = fopen("test.txt", "r");  
  
#include <stdio.h>  
  
int main() {  
    FILE* fptr;  
  
    fptr = fopen("test.txt", "r");  
  
    if (fptr != NULL) {  
        printf("File Open Successful");  
    }  
    else {  
        printf("File Open Unsuccessful");  
    }  
  
    return 0;  
}
```

Output :

```
File Open Successful
```

file name changed

```
fptr = fopen("test2.txt", "r");  
File Open Unsuccessful
```

File Open mode (About the file)

file Read mode

```
#include <stdio.h>

int main() {
    FILE* fptr;

    fptr = fopen("test.txt", "r");

    char content[1000];

    if (fptr != NULL) {
        fgets(content, 1000, fptr);
        printf("%s", content);
    }
    else {
        printf("File Open Unsuccessful");
    }

    return 0;
}
```

OUTPUT ...

This is the text file.

File Read mode (Complete file content)

file Read complete lines

```
#include <stdio.h>

int main() {
    FILE* fptr;

    fptr = fopen("test.txt", "r");

    char content[1000];

    if (fptr != NULL) {
        while (fgets(content, 1000, fptr))
            printf("%s", content);
    }
    else {
        printf("File Open Unsuccessful");
    }

    return 0;
}
```

Output :

```
This is the text file.
C Programming File Handling is awesome.
```

File Close mode (fclose)

file close

```
#include <stdio.h>

int main() {
    FILE* fptr;

    fptr = fopen("test.txt", "r");

    char content[1000];

    if (fptr != NULL) {
        while (fgets(content, 1000, fptr)) {
            printf("%s", content);
        }
    }
    else {
        printf("File Open Unsuccessful");
    }

    fclose(fptr);
    return 0;
}
```

File Write mode ("newFile.txt","w")

write mode

```
#include <stdio.h>

int main() {

    FILE* fptr;

    fptr = fopen("newFile.txt", "w");

    fputs("I Love C Programming\n", fptr);
    fputs("C programming 21 days challenge is the best", fptr);

    fclose(fptr);

    return 0;
}
```

Write mode with erase old data

```
#include <stdio.h>

int main() {

    FILE* fptr;

    fptr = fopen("newFile.txt", "w");

    fputs("New Message 1\n", fptr);
    fputs("New Message 2", fptr);

    fclose(fptr);

    return 0;
}
```

Assignment : Lab Practice

- Create a new file in write mode
- Write Content
 - C is a fun programming language.
 - And, I love using C language
- Close the file
- Again open the file in read mode and read the content of the file