

Files in C

Course Title :- Structured Programming Language Sessional

Course Code :- CSE-122

Level Term: 1-II

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Outlines

1. How to create a file?
2. How to open a file?
3. File open for create & reading and close after that
4. File open for reading and print file information
5. File open for writing and write some information

File Handling in C

File handling in C is the process in which we create, open, read, write, and close operations on a file. C language provides different functions such as **fopen()**, **fwrite()**, **fread()**, **fseek()**, **fprintf()**, etc. to perform input, output, and many different C file operations in our program.

1. How to create a file and close after that?

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

```
int main() {
```

```
    FILE *myFile = fopen("notes.txt", "w");
```

```
    if (myFile == NULL) {  
        printf("Error!\n");  
        return 1;
```

```
    }
```

```
    else
```

```
    {
```

```
        printf("Successfull\n");  
        fclose(myFile);
```

```
    }
```

```
}
```

2. How to open a file and close after that?

```
#include <stdio.h>
int main() {

    FILE *myFile = fopen("notes.txt", "r");

    if (myFile == NULL) {
        printf("Error!\n");
        return 1;
    }
    else
    {
        printf("Successfull\n");
        fclose(myFile);
    }
}
```

3. File open for create & reading and close after that

```
#include <stdio.h>
int main() {

    FILE *myFile = fopen("myTask.txt", "r");

    if (myFile == NULL) {
        myFile = fopen("myTask.txt", "w");
    }

    printf("File Created Successfull\n");
    fclose(myFile);

}
```

4. File open for reading and print file information

```
#include <stdio.h>
int main() {

    FILE *hadi = fopen("notes.txt", "r");
    char x;
    if (hadi == NULL) {
        printf("Error!\n");
        return 1;
    }
    else
    {
        while(!feof(hadi))
        {
            x = fgetc(hadi);
            printf("%c",x);
        }
        fclose(hadi);
        printf("\nSuccessfull\n");
    }
}
```

5. File open for writing and write some information

```
#include <stdio.h>
int main() {

    FILE *hadi = fopen("notes.txt", "w");

    if (hadi == NULL) {
        printf("Error!\n");
        return 1;
    }
    else
    {
        char st[100];
        scanf("%[^\n]s", st);
        fputs(st, hadi);
        fclose(hadi);
        printf("Successfull\n");
    }
}
```

Congratulations!!
You Have Come So Far.
This Is The END Of This Course.