

File Handling

File Input and Output

File Handling Functions:

- In C, you can work with files using functions from the standard library.
- Common file handling functions include
 - `fopen()`, `fclose()`, `fread()`, `fwrite()`, `fprintf()`, `fscanf()`.
- Some other functions
 - `fgets()`, `sizeof()`

Example - Reading from a File:

Code

```
FILE *file = fopen("data.txt", "r"); // Open file for reading
if (file != NULL) {
    char line[100];
    while (fgets(line, sizeof(line), file) != NULL) {
        printf("%s", line); // Print each line
    }
    fclose(file); // Close the file
} else {
    printf("File not found.\n");
}
```

Example - Writing to a File:

Code

```
FILE *file = fopen("output.txt", "w"); // Open file for writing
if (file != NULL) {
    fprintf(file, "Hello, File!\n"); // Write to the file
    fclose(file); // Close the file
} else {
    printf("File creation error.\n");
}
```