* Importance of file handling: -In C programming, **file handling** is crucial because it allows data to be **stored permanently** on disk rather than temporarily in RAM. Without file handling, data would be lost when the program ends. File operations enable:
* Reading/writing large data sets.
* Data persistence across sessions
* Handling logs, configurations, reports, etc.
* file Operations: -

1. fopen (): -

FILE \*fopen (const char \*filename, const char \*mode);

1. **Writing to a File**: fprintf () / fputs () / fputc (): -

fprintf (fp, "Hello, File! \n").

fputs ("Another line\n", fp).

fputc ('A', fp).

1. **Reading from a File**: fscanf () / fgets () / fgetc ():-

char str [50].

fscanf (fp, "%s", str); // Reads a word

fgets (str, 50, fp); // Reads a line

char Ch = fgetc(fp); // Reads a character

1. **Closing a File**: fclose (): -

Always close the file after operations to:

* Save changes
* Free system resources.