

Functions For File I/O In C Language: C Tutorial In Hindi #64.mp4 - VLC media player

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## WORKING WITH FILES IN C

- When working with files, we have to declare a pointer of type FILE
- This declaration helps us to work with files through C program.

Hard Disk (files) RAM

`FILE * ptr = NULL;`

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## OPENING A FILE – CREATING OR EDITING A FILE

- stdio.h contains a function called fopen() for opening files in C.
- The syntax for opening a file in standard I/O is:  
`ptr = fopen("filename", "mode")`
- For Example:  
`fopen("E:\\Code\\harry.txt", "w");`  
`fopen("E:\\Programming\\lbhai.bin", "rb");`

test.txt  
This is a test file.

`fopen("test.txt", "w")`

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## CLOSING A FILE

→ `fopen()`.

- Any file which is opened in a C program needs to be closed
- Closing a file is accomplished by the library function `fclose()`
- `fclose(fp);` // `fp` is the file pointer associated with file to be closed

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## READING A FILE

`scanf` & `int1`  
`fscanf(ptr, "%s", string)`

- In order to read a file, we can use `fscanf` function.
- This function is file version of `scanf` function
- `fscanf` expects a file pointer in addition to the other arguments which `scanf` expects
- We will have to open the file in read mode in order to use this function

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## WRITING TO A FILE

fscanf    fprintf ·  
                 printf ·    fprintf(ptr, "%s",  
   string);

- In order to write to a file, we can use fprintf function.
- This function is file version of printf function
- fprintf expects a file pointer in addition to the other arguments which printf expects
- We will have to open the file in write mode in order to use this function