WORKING WITH FILES IN C

- stdio.h contains a function called fopen() for opening 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.
- The syntax for opening a file in standard I/O is:
 - ptr = fopen("fileopen", "mode")
- In order to read/write to a file, we can use fscanf/fprintf function.
 - fscanf(fp, "%s", buff); fprintf(fptr, "Marks= %d", salary);
- fclose(fptr); //fptr is the file pointer associated with file to be closed

MODE & DESCRIPTION

Mode 💮	Description
r	Opens an existing text file for reading
w	Opens a file for writing. If it doesn't exist, then a new file is created. Writing starts from the beginning of the file.
a	Opens a text file for writing in appending mode. If it does not exist, then a new file is created. The program will start appending content to the existing file content.
r+	This mode will open a text file for both reading and writing
w+	Opens a text file for both reading and writing. It first truncates the file to zero length if it exists, otherwise creates a file if it does not exist.
a+	Opens a text file for both reading and writing. It creates the file if it does not exist. The reading will start from the beginning but writing can only append to file.

OTHER FILE I/O FUNCTIONS IN C

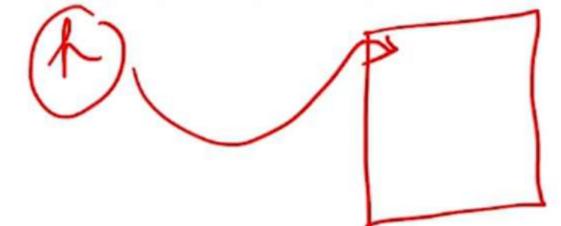
f printf fscant

- There are various functions provided by C standard library to read and write a file, character by character, or in the form of a fixed length string
 - Some of them are:
 - = fputc Story
 - fgetc \
 - fgets ►

FPUTC FUNCTION IN C

The put thereads

- Simplest function to write characters to a file is fputc
- Syntax of fputc goes as follows:
 - int fputc(character, FILE pointer);
 - It returns the written character written on success.
 - On failure it returns EOF
 - The EOF is a constant defined in the header file stdio.h.

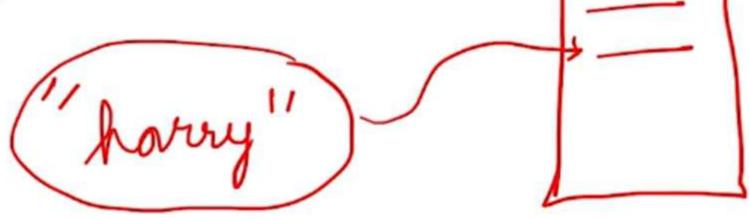


FPUTS IN C

put Storing

- fputs function is used to write a null terminated string to a file in c
 - int fputs(const char *s, FILE *fp);





FGET C FUNCTION IN C

file get character

- Simplest function to read characters from a file is fgetc
- Syntax of fgetc goes as follows:
 - int fgetc(FILE * fp);
 - It returns the read character on success.
 - On failure it returns EOF
 - The EOF is a constant defined in the header file **stdio.h**.





> Quiz

FGETS IN C

get 4 Story gent

- fgets function is used to write a null terminated string to a file in c
 - int fgets(const char *s, FILE *fp);

int fgets (const char's, intn,

FILE *fb).

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