

~~Name: Harshitha~~ Date: 20/6/20
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Topic: files & Error Handling

Name: Harshitha-T
USN: 4ALITEC106
Sem & Sec: 6th B

* Accessing files

An external file can be opened, read from, and written to in a C program. For these operations C includes the FILE type for defining a file stream. The file stream keeps track of where reading & writing last occurred.

* Mode operations

r - open for read

w - open for writing

a - open for append

r+ - open for reading & writing from beginning

w+ - open for reading & writing, overwriting file

a+ - open for reading and writing, appending to file

* Reading from a file:

The stdio.h library also includes functions for reading from an open file.

* fgets (buff, n, fp) reads characters from the file pointed to by fp and stores the string in buff.

* fscanf (fp, conversion-specifiers, vars) reads characters from the file pointed to by fp and assigns input to the list of variable pointers vars using conversion-specifiers.