FILE HANDLING INC

File named collection of data, typically stored in a secondari Storage (cg. hard disk)
Stored as seq. of byter, logically contiguous.
Every file - starting of file Sep of bytes (actual data) and of file
Allows only sequential access of data by a pointer.
Metadata (info about the file) can be maintained before the stream of actual data.
Meta data [] []
Men daly [].
The last byle of file conlains EOF character with ASCAI code IA (Nex)
reader file used : <stdio.h></stdio.h>
"r" epens a file for reading
"" : Greates a file for writing (overwrites if data present)
"a": Creates file for reading & Writing ("") "a": Opens a file for appending - writing on the end of the file
86": Read a binary file (read as byte)
"W": Creates a file for writing (overwrites if data present) "W": Creates file for reading & Writing ("") "A": Opens a file for appending - writing on the end of the file "8b": Read a binary file (read as byte) "Hb": Write into a binary file (everwrites if data present)
If a file that does NOT exist is opened for writing or appending, it is created as a new.

the opening error: · Trying to read a file that doesn't exist. Trying to read a file-that doesn't have permission. If there is an error, fopen() returns NULL # include (stdio h) # include < stlib h7 File to Refer: fopen.c int main () } FILE * fptr; char filiname[] = "file2 dat"; //OR fpty - fopen ("file 2 day 4 (fotr == NULL) { printf (" Error in creating file"); exit (-1); } fprintf (fptr ,"This is a test file \n");
printf ("file created"); fuse (fptr); 4 int c; while ((c = fgetc (fpta)) 1= EOF) } leading from a fice print f("%c", c); } 1) fget c fgat (fptr) | File To Refer :
- Reads a single charactel from a file File To Refer: fgctc.c while (fecant (fptr, "/.s", but /==1)} printf ("%s", but); }

char buflioo]; // is before while bop

string & war argo list to take input from a file -gets.c fgets (str, size, fptr) Stores there in (size-1) characters from foto file to ste

File opening error: · Trying to read a file that doesn't exist Trying to read a file-that doesn't have permission If there is an error, fopen() returns NULL # include (stdio.h> # include < stlib.h7 File to Refer: fopen.c int main () } Char file name[] = "file 2. dat";

Char file name[] = "file 2. dat"; fote = fopen (filename, "w)? of y (fptr == NULL) } printf (" Error in creating file"); exit (-1); } else } fprintf (fptr ,"This is a test file \n"); printf (" file created"); fuse (fptr); 4 int c; while ((c = fgetc (fpta)) != EOF) } leading from a fice print f("%c", c); } 1) fget c fgde (fpts) [File To Refe - Reads a single charactel from a file File To Refer: fgctc.c - Use formatted string & var arg. list to take input from a file - gets. c fgets (str, size, fptr) Stores there in (size-1) characters from foto file to st



getc is equivalent to fact except that it is a micro.

Writing into a file

1 fputc

filecopy (FILE "fpin, FILE * fpout) {

While (C= fgetc (fpin) 1 = FoF) }

fputc (c, fpout); }

2 frints

fprintf (fptr, "example");

file pointer

3 fputs

fputs ("File handling", fptr);

fmints When we need to write formatted strings that may include various datatypes &

fputs When we simply want to write a string to a file w/o any additional formatting

eg. fprintf (fptr, "Name: %s lge: %d,
"Alice", 30);

(eg. given above)

require specific formatting

Date Page
pute is equivalent to foute except that its a micro.
NOTE:
Using stdout and stdin with frintf and focunt resp beh as printf and Scanf.
eg. fprintf (stdout, "Hello"); OUTPUT: fscant (stdin, "%d", &i); Hello fprintf (stdout, "%d", i); 15
Structure red Input/Output for Files - Do 'if time is left!
furite () @ fread