File Management in C

The console oriented I/O operations pose two major problems.

If becomes time consuming to hauble large volumes of data through terminals.

I The entire data is host when either the Program is terminated or the computer is turned of.

FILE: - A file is a place on the disk where a group of related data is stored. Csupports a number of functions that have the ability to perform basic file operations, which include:

naming a file,
opening a file,
reading date from a file,
writing date to a file and
closing a file.

jopen()

Jclose ()

getc()

autc()

spoints ()

fsouf()

(etw()

putu()

(scekl)

stell()

rewind()

creates a new file for wal.

Opens on existing file for wal.

closes a file which has been opened for use.

Reals a character from a file writes a character to a file writes a set of data values to

Reads a set of data values from Reads ou integer to a file writes ou integer to a file

Buts the position to a desired point in the file.

Gives the current position in the file l'in terms of bytes from me 8 hest)

sets the position to the beginning of the file

Defining And opening a File: - Following is the general format for Lecturing and opening a file:

FILE * fp;

fp = fopen ("filename", "mode");

The first statement declares the variable of as a "pointer to the data type File". Fill is a structure that is defined in the I/O library. The second statement opens the file names. filename and assigns an identifier. To the FILE Type pointer of.

MODE: - 8 open the file for reading only.

w open the file for writing only
a open the file for appending (or allery)
data to it.

beginning for reading and working.

wh Same as we encept both for reading and working.

and writing.

at Same as a encept both for realize

CLOSING A FILE:-

Jelose (file-pointer);
This would close the file associated with me file pointer

OPERATIONS ON FILES:-INPUT / OUTPUT

putc (variable name, file pointer),

writes the character contained in the character variable to me file associated with file pointer.

charactu variable = getc (file pointer);

it unto sue character variable.

MOTE: The file pointer moves by one character. position for every operation of gete or putc. The gete will return an ment of file marker EOF, when end of the file has been reached Therefore, sue reading should be terminated. When EOF is encountered.

en: while ((c= getc(fb))!=EOF)

sprint f and focant functions:

sprint f (file pointer, "control strip", liet);

focant (file pointer, "control strip, liet);

while (! feef(fp)))