	CHAPTER DATE:
	10 - Day 25 Long principal Still
.)	File I/O management and the cashing in
	wind the property sold street
	The Random Access Memory is volatile
-	and its contant is lost once the
	program terminates. In order to persist
	the data forever we use files.
M.	The second of th
	A file is data stored in a storage device
	A C program can talk to the file by
	reading content from it and writing
	content to it.
4	- still all all apprings viel present a full
	while
7	C program
	A Marches (1)
45	Oxegrammer read
ST C	- 7 1 - 0 1 1 1 - 10 000 0 000 000 00 0 0 0
	FILE Pointer
	The "FILE" is a structure which needs to be created for opening the file.
	be created for opening the file.
	12910 1 2 2 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	A file pointer is a pointer to this structure of the file.
	# FILE pointer is needed for communication between the file and the program.
- 14 - 14	# FILE pointer is needed for communication
	between the file and the program.
	A FILE pointer can be created asifollows:
8m	
	FILE *ptr; ptr = fopen("filename.txt", "mode");
	ptr = topen ("tilename.txt", "mode");

File opening modes in C Coffers the programmers to select a mode for opening a files. following modes are primarily used in C ">" -> open for reading. If the file does not exist, fopen returns "rb" - Dopen for reading in binary "W" - open for writing. If the file exists, the overwritten. "wb" -s open for writing in bingry "a" - open for append - If the file closs not exists it will be Createo. Types of files There are two types of files: 1. Text files (txt, c) 2. Binary files (.dpg, .dat) Reading a file

A file can be opened for reading as
follower:

PILE \* ptr;

ptr = topen ("Abhi.txt", ""); Let us assume that "Abhi.txt" contains an integer wing: fscanf (ptr. "of.d", &num); Il fscanf is tele counterpart of scanf. This will read an integer from file in num variable. Ourck Quiz! Modify the program above to check whether the file exists or not before opening the file. Closing the files

It is very important to close the file after
read or write. This is achieved using fclose as follows: This will tell the compiler that we are done working with this file and the associated resources could be freed.

Woiting to a files
We con write to a file in a very
similar manner like we read the file FILE \* foto; ("Abhi.txt", "w");
int num = 342',
fpmntf (feto, "/d", num); fclose (fetr);

fgetc() and fgetc()

fgetcr and feute are used to reach and
write a character from to a file. fgetc (etr)

// used to read a character from file.

// used to write character of to the file. FOF: End of file

fgetc returns EOF when all the characters
from a file have been read. So we can
write a check like below to detect
end of file.

	DATE:
	while (1) {
	ch = fgetc(ptr);
	0 (0) 10
	$if (ch == EOF) \{$
	break;
	1/codes
	7 Coxes
,	11 When all the content of a file has been
	Vread, break the loop!
	Chapter 10 Practice Set
*	Practice set
Co	
Que	1. Writer a program to read three integers
	troin of tile.
Que2	· Write a oxedram to appearate multiplication table
	of a given number in text format Make sure
	hhite a program to generate multiplication table of a given number in text format. Make sure that file is readable and wellformatted
Que 3	Write a program to read a text file character by character and write its content twice
	by character and write its content twice
	in a separate file.
(Qual	tales mans and sall and the sal
- Cap	1. Take name and salary of two employees as imput from the user and write them
	to a text file in the following format.
	to the fire for our gorman.
	hamel, 3800
	name2, 7700

Oues Write a program to modify a file confaining an integer to double its value. 2 pre file er of it is a coll- force of the morposition of the late of the collection of the late of O Harrison Demonstration of the State of Let work for the property of the second of t place of the sale of more many to the fact the and the state of t March of Throng worth