Time: Date: / /

Write down the general form.

The functions foreint and trant pertorm Input output operations that are familiar to the foreint and scant functions. The functions to the foreint and scant durctions. The functions to the foreint and team work on files. The first are work on files. The first are quenent of these functions is a tile pointer. The general form of this sprints is

spreints (fp, "control straing", list);

where fp is a file pointer that has been opened for writing. The control string contains output for the item in the list. The list may include variables, constants and strings. For example,

fprintf (11, "15 1.d 1.f", name, age, 7.5); Here, name is an arriary variable of type char and age is an int variable. The general forematifs cant is

this statement would cause the reading of the items in the list from the file to.

focant (Jz, "1.5 1.d", item, & quantity);

| Sub:                  |  | Time: Date: / /                                     |          |
|-----------------------|--|---|----------|
| Isome operat          | ions of different  | Junction's 19 11                                    | 7.1      |
| Function Name         | Doero  | tion 190 3 Boll                                     | i vit    |
| Jopen()               | Creates a new file existing file Jon Closes a file which   | le forc use Opens<br>use.<br>In has been opene      | d for us |
| getc ()               | Reads a charcac  | ter from a tile                                     |          |
| pute ()               | writes a charcac   | ter to a file.                                      |          |
| sprintf()             | Write's a set of do  | ità values to a d                                   | file.    |
| tscant () not         | Reads a set of da  | ita values to a. of                                 | ile.     |
| getwo                 | Reads an intege  | re droma file                                       |          |
| putw()                | Writes an intege   | ere to a file.                                      |          |
| Jseek ()              | sets the position to   | padesired point                                     | inthe    |
| 1 <del>41</del> 11 () | Oriver the current   | position in the file                                |          |
| newind()              | sets the position  | L'to the begining                                   | of Hea   |
| tile for both         | *PB;  Jopen ("shedu de open the fill ade open th | data 10 11. 11 1E 4 11 1E 4 1 1 1 1 1 1 1 1 1 1 1 1 |          |
| 7                     |  | D   |          |

In Mode at Alle Management: mode opening a tile.

1. π. This mode open the file for reading

P1 = fopen ("data , re);

only statements: It is about of the bile for curuting

ming basip2 = Hopen (" results "," w") ( hine b

3. a: This mode open the file of for adding data to it. Statement:

FILE \*P3; P3 = topen ("shedule", "a");

4. This mode open the file forc both opening and writing.

opening and usriting.

6. at: This mode open the file fore both opening and wereiting.

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It How to store data in a file in the secondary memory?

If we want to store dadd in a file in the secondary memory, we must specify certain things about the file, to the operating system. They include the tollowing:

nA. 1111 2: Data structure de monstate territ au

file name is a string of character's that make up a valid filename for the operating system. It may certain two parts, a primary name and an optional period with the extention.

Example: Input data

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Data structure of a file is defined as FILE in the library of standard input-output function definitions. Thereforce, all file should be declared as type FILE before they used. FILE is a defined data type. I we must specify what we want to do with the file For example, we may write data to the file of tread the already existing data.

by step of buckleys sign files

**CS** CamScanner

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Following is the general fortmat fort declaring and opening antildeblende of traum suntil fp = topen (" filename", "mode) The first statement declarges, that the variable to as a pointer to the data type FILE. And we know FILE is a strencture that is defined in the input putput library. The second statement lopens the file named filename and assigned as identifier, to the FILE type pointentifficial boirrey laborities in boo The second statement also specifies the purpose of opening this file Hode can does Mode, can be one of the following it shou on sopen the file for treading only indi w-> open the tile for very ting only a -> open the file for appending (or adding) by states inha vote that the file name and mode areanw perified as strings. They should be enclosed n double qualation marches. existing data.

regard to the execution to the execution

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| 4 = - |                 |  |  |

In Ercreon handling within input opoutput operation This possible that on erecord may occur during input-output opercations on a file. Typical ercrore situations include to following: A. Traying to read beyond the end of file mark. 12. Device overaflour. 3. Treying to use a file that has not been opened. 4. Treying to periforem an operation on a file when the file is opened for another type of 5. Opening a file weith in an invalid file name. 2 6 Atempting to write to a werette protected If we fail to check such read and write ercrores a progream may behave abnormally when an einer occurs. An uncheaked ermon may nesult in a premature termination of the program on incorcret output Forthunately, we have two status - inquiry library functions, in "teat" wand feturoti that can help we to detect Input-output entronge in the riless. It is sill the bominton The "feet" function dan be used to test for an metericis a Null pointibron sit to bre (110N = = 9) fi preint ("File could not be opened.

If fp is a pointere to the file that has just been opened for meading. Then the statement is: input output operations o ((9t) tost) toral succe printf ( End of data (h); encitarity Would desplay the message End of data". on reaching the end of file condition. The ferrion function reports the status of the file lindicated It also takes a FILE pointer as its argument and refuren a non-zerco integer if an erroccihas been deterted up to that point, during processing. It refuters o, other wise. The statement 10 (fereron (19) 10 0+ Born 1100 prignty ("Am ercitore has occurred .\n"); would praint the excrete messege reading is moto successiful. we know that whatever a file is opened busing Jopen function, a file pointer is refured. If the file can not be opened force some breason then the function refurens a Nell pointetteras wit if (fp = = NULL) printf (" file could not be opened In");