Ex. No.: 12 Date:

File Organization Technique-Single and Two level directory

AIM:

To implement File Organization Structures in C are

- a. Single Level Directory
- b. Two-Level Directory
- c. Hierarchical Directory Structure
- d. Directed Acyclic Graph Structure

a. Single Level

Directory

ALGORITHM

- 1. Start
- 2. Declare the number, names and size of the directories and file names.
- Get the values for the declared variables.
- Display the files that are available in the directories.
- 5. Stop.

PROGRAM:

include < stolis - h >

include < stolis - h >

include < stolis - h >

it man () {

int gd > DE TECT, gm, Cout, i is, mod, Cim-n;

chan. frame [o] [20];

int graph (legd, legm, "L: 114 (116 gi ").

Chan dare ();

Set be codo (Govern);

Puts ("Enter the number of file "):

had ("o/. d", le Cout);

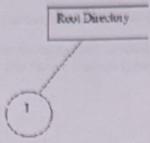
for (120) 12 Cont > 1 ++ 2 clos device (); Set Stador (Goor); pritte Tota to file . I I nono" 14 D: Seaf C" of B's from [1] D) Set fillsty (, MAGIENTA); mid = 640 / But; Q1- x = mid /3; bor 3d (270,100, 370,150,0,0); lettle x dyb (2,0,4): sale justify (1, 0; Outsty (320,125, "Root Directory"): let Gor (BLUE); for (j=0;jzi;j++, Cn-\$t=0)/2 Lino (320, 150, CM- 7, 250); filipso (ar-1,250,30,30) conthetes tan-x, 250, from [is].

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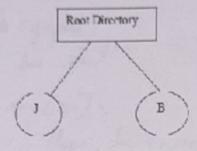
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カラカ

OUTPUT: Unter the Number of files 2 Enter the file! J



Enter the file? B



Enter the No of file: 2

Enter the rans of fib 1: A

Enter the lip of fib 1: 19

Enter the rans of fib 2: 18

Enter the lize of fib 2: 13

file is to Docatory:
Nama Size
19KB
13KB

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b. Two-level directory Structure

ALGORITHM:

- Declare the number, names and size of the directories and subdirectories and file
- Get the values for the declared variables.
- Display the files that are available in the directories and subdirectories.
- 5. Stop.

PROGRAM:

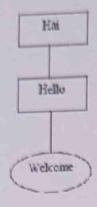
indus (stdio. h? # ireles (graphice ? chan rano (20) s int x, y, byp, be rene, but their there-count * link [5]; typel stout tour - chart most; int gd 2 DB TR CT, gn; rod + most; reat = NULL; closes U: Cents cd root 0, " aul ", 0;630,320); Chosen () intgreeph (2gd, 2gm, "E: 11telly 1) desplay (root). dosegreph (); Good Crost & root, eit by, chat draw int bx, wit re, it (* reat) 2 (rob +) molloe (lize of (rob)): prints (" Este name al differ (fib (wide -), 3); "; drone); flish (Not.); gets ((*koot) & none). & [bu = 20 11 lov = 2 1). (root) ? (typo=1) C+rest) > flyo = 2 (+ root) ? lent à bu; (a root) 7 y 250+ hu +50; Crest) 7 x = x: C* root) 7/912/2: (* Koot) > Y 912 17 01; for (120; 165; 144) cropped a good sa (* root) > link [:) = NULL; is (C read) & but ez 1) if CC+ root) -> lev 221) il (1+ xood) 7 buel 220) print ("How may User ") print (" How many file ").

print (" fa olis), (* Koot) 2 mass). Sent (", I, d" L Cot Kest) > no); else (Most)) ne20); if (C* rock) 7 ne 2 = d); gof 2 rankei gap 2 (r x - le) (C+ koot) 2 ne for (120) ic to road) > ne ist) excto (4 (* Roct) Abeh (1), love, (* real) snow to age " 0 beign + god, lange + ga 12)

C+ mond) -2 nc = 0) dignlay (rich + reat) & not bell of CLBb.); No Creat 1 = NOLC) & for Cizo; I creat socjied Epo (noot dr, toot dr, not alk [i] sox, not a William); of Crost -> ftyp 22) bor 3 d (noot + x -20, noot -) y -> x+20, nod + y & filly (nost -) x, most -) y, 20,20); out test rey (nost a ment sy for Cizo "icrat ancs in). I doppley (rook 2 but [i];

Sample Output:

Enter the name of dir/file(under null): Hai How many users(for Hai):1 Enter name of dir/file(under Hai):Hello How many files(for Hello):1 Enter name of dir/file(under Hello):welcome



Thus. to implementation on the file Organization technique for bight beed and Two-bad Directory here been sounted Succonfully.

St.