Ex. No.: 12 Date: 23 (4 ) 25

#### AIM:

File Organization Technique-Single and Two level directory

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.
- 3. Get the values for the declared variables.
- 4. Display the files that are available in the directories.
- 5. Stop.

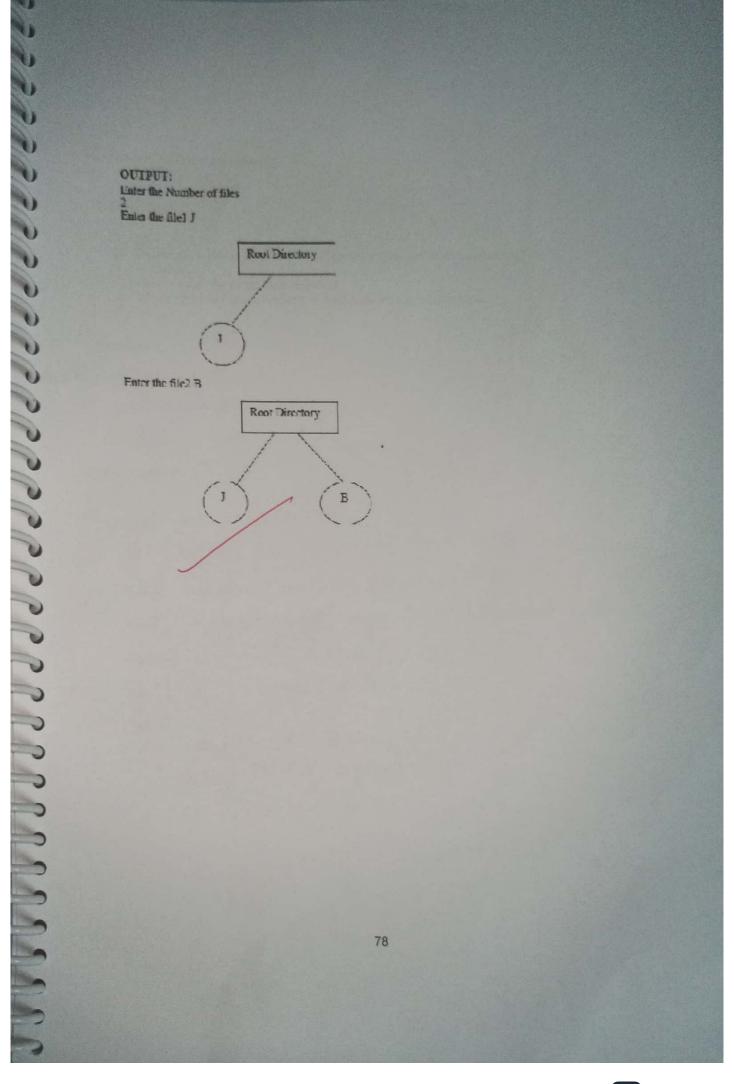
#### PROGRAM:

# wichole 2stolio-ths

# winchole 2stolio-ths

# winch

```
for li=0;12 wand; i++)
      clearderie ();
        set BR LOCO ( LIREEN).
        pury (" Enter the file 1.d name: ", 1+1);
        say ("1-5", frame (");
        setfilesteple (1, MAGENTA).
        Mid = 640/ loans;
        Cu _x = mid /3;
        bauga (270,100, 370,150,0,0);
       for lj=0; j' z=ijt++, w_x += mid)
                lime (320, 150, ci-x, 250);
                file ellipla (W-x 1250 130,30);
                outtext by (a.x;200, frame (1));
      getch ();
      closegraph (),
                            77
```



# b. Two-level directory Structure

## ALGORITHM:

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

## PROGRAM:

# wirclude 2 stoles. Es # airclude & stalib W # windlede 2 grapeius. th) void main 1) und gol = DETECT, gw; ent wers, files [co], i, t, mid, mid aser, witx; char manne (co) (20), { name (co) (10) (20), unt it graphed & god, &gm," (:11 Tuebo (3 11BLI); say ("1-d", & lises); for (i=o; i zusels; itt) xay [" %. 3", Luame (i)); stary ("-/-o", &files(i)); 13) (j=0; 1/2 fites[i]; j+t) scanf ("1/- 8", frame [:7(j));

clear oterice (); set bicocoi (CIREEN); setfill style (", MPLIENTA); bai 3d (570, 100, 370, 150, 10,0); set excesty 6 (2,0,4), mid = 600/aver; Mid-user = mild /3; for 1 i=0; cui-x = 80; izcuseus; i++, cu-x += mid) for (1=0; 12 fitu(i); 1++) 3 ent file-x=cii-x-((file (1)-1)) \$ 50/2) + ( × 50) line (ui - x, 230, file -x, 270); fillellips (fill-x, 270, 20, 20); getch () close graph 1); 80

# 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 Hai Hello Welcome Result: Hus the vale for implementing file structures is excuted successfully. 81