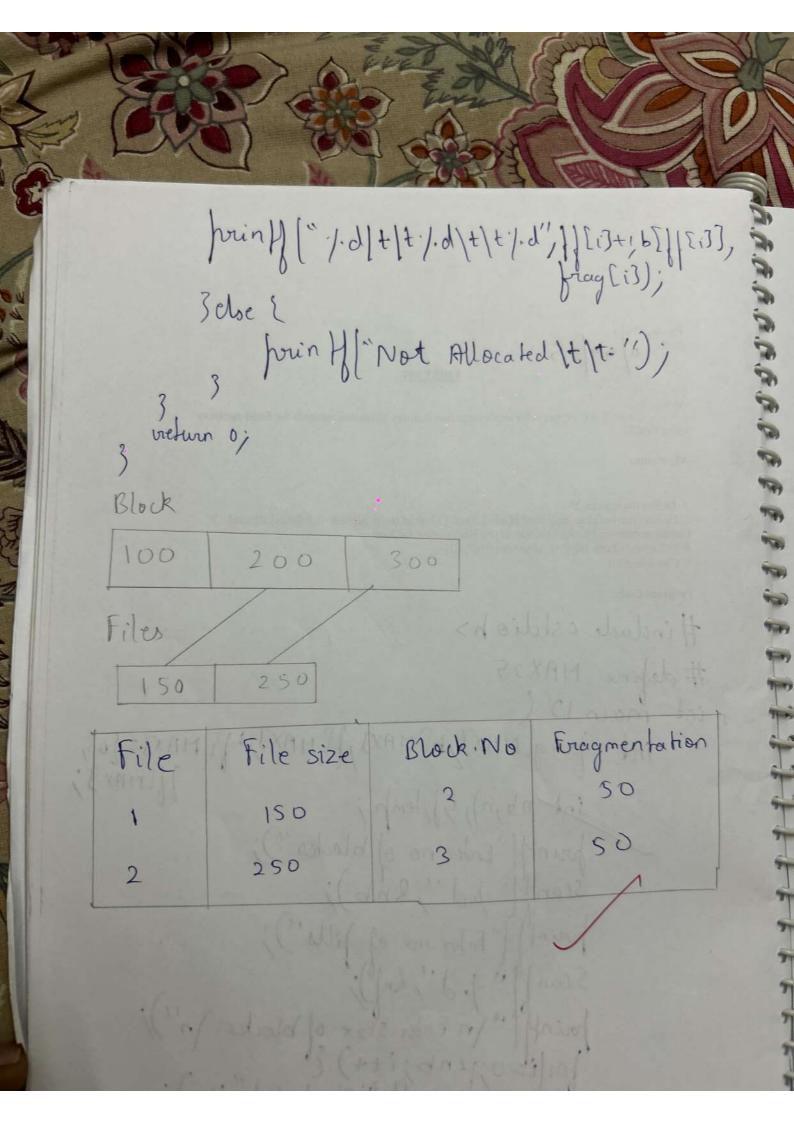
Ex. No.: 10b) Date: 10 64 25 Aim: To write a C program for implementation memory allocation methods for fixed partition using first fit. Algorithm: 1. Define the max as 25. 2: Declare the variable frag[max],b[max],f[max],i,j,nb,nf,temp, highest=0, bf[max],ff[max]. 3: Get the number of blocks, files, size of the blocks using for loop. 4: In for loop check bf[j]!=1, if so temp=b[j]-f[i] 5: Check highest Program Code: Hindude astdioh> # define MAX 25 int main 1) int frag[MAX], b[MAX], f[MAX], b] [MAX] = [03,
][CMAX]; int nb, nf, i, j, temp;
fruints ("Enter no of blocks");
Scan ("), d", enb); fruint ["Enfor no of fills"); points in Ender size of blocks: \n');

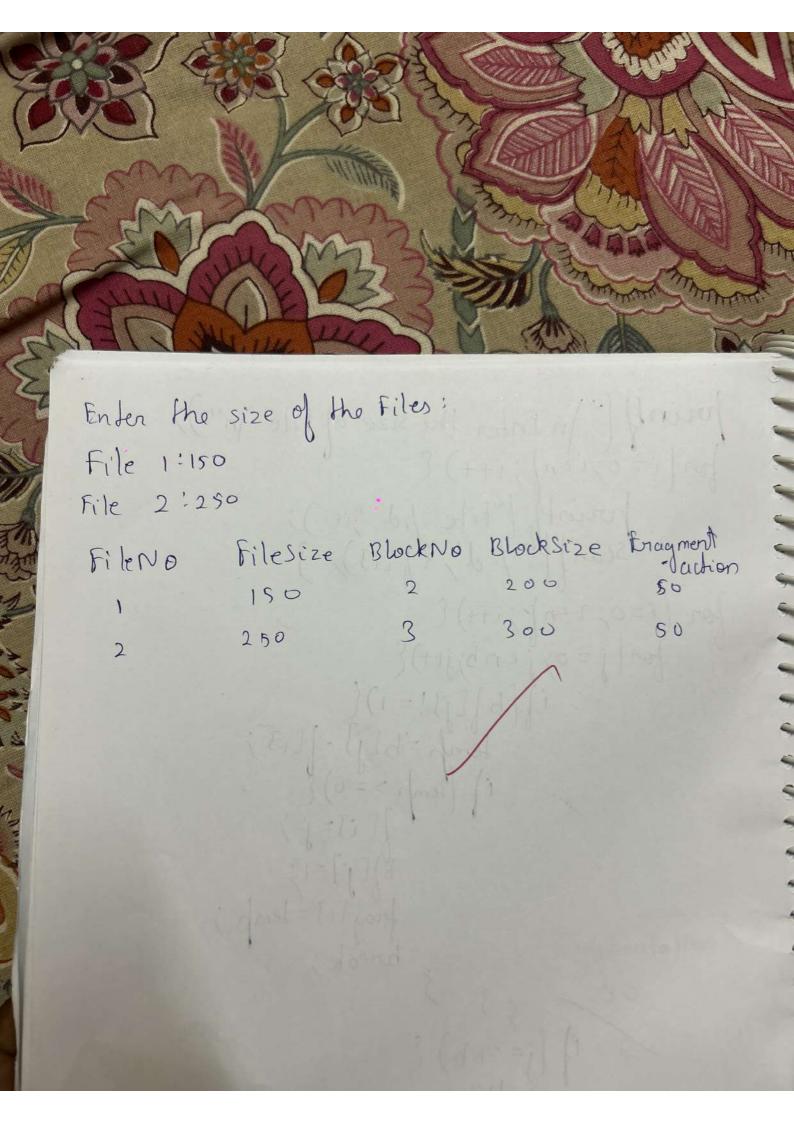
for [i=0;iznb;it+) {

points ['Block /d',iti);

62 foruscan ["/d" f b[())

porinf (" In Enter the size of File: In"); for i= o; icn; it+) (print, ("File /, d:",iti); scan [[1. d", P) [13);] for (i=0; i+n); i++) (for (j=0;j(nb)j++){ if (b)[j]!=1)[Jemp = b[j] - [[i] j i) (temp >= 0) frag [i] = temp ; if (j==nb) { rag [i]=-1 print[[" |n File No] + File Size | + Block No] + Block Size | + Eragmentaction "); for (i= o;icn);itt) ? prinf["\n"/dt/d\(t\'i+1,f(i3)); if (| [= -1) [





Sample Output:

```
Enter the number of block i
Enter the number of Tiles 3
Enter the size of the blocks.
Block 125
Black Z A
Block 4 10
Enter the size of the files:
                                                                    Fragment
```

Outhut: Enter the no of blocks: 3 Enter the no of files:2 Block 1:100 Block 2: 200 Block 3: 309

Result:

Thus the program to implement first Fit memory allocation technique using Chas been escented successfully