o was a substant of a ded ded ded ded Ex. No.: 10b)
Date: 00|4|24 FIRST FIT 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: # include (stdio - h) # define Max 25 unt main () uit frag[MAX], b[MAX], f[MAX], bf[MAX], ff CHAX] uit i j,nb,nf, femp, for (1:0; 1 < nb; i+ +) scarf ("1.d", &b(i)); by (i)=0; round (" Fater the wo. of files process:"),
round (" Fater the wing of each files: (10"); for (i=0", izy ", i+); rounty (" File 1 -d: ", i+1); scarf (" 1 -do2", & ((1));

```
for (1:0; $12nf; 1+4)

2 for (3:0; 32nb; 3+4)
     ₹ if (bf(1) == 0 8x b(1) >= f(1))
             of (1)=j;

by (1)=j;

frag (i)=b(1)-1(1);

hreak;
     ·4 (i)==nb)
 fali=0; i=nf 1 i ++)

8 painty ["-/.al 1+1+7.dl+1+", i+1 1 f(1));

4 [A[i]+==1)

4 [A[i]+==1)
                  b[ { [[i] | fag(i)];
             puit !" Not allocated It-It+. In");
         elsi
                                63
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80 15 23 5 20 ROTCON ND POLACEM-15/3e Block-10 fragment P1 20 1 80 P2 30 2 15 P3 50 5 20 P4 40 4 5 P5 10 1 3 23	The fague	nt of the bloc	ik ax		61
23 5 20 ROTTON ND MUCEN - 15132 Block- ND fragment P1 20 1 30 P2 30 2 15 P3 50 5 20 P4 40 4 5 P5 10 \(\) 3 23					6
ROTTON ND MATERIA-1513e Block-10 fragment of the property of t	23				2
P ₁					2
P ₁	Roccess NO	Novacen - 1513e	Block-no	frag ment	5
P3 50 5 do P4 40 4 5 P5 10 3 23	Pı	20	1 4 4 4	80	5
P4 40 4 5 P5 10 3 23	P2	30	2	15	-
P5 10 / 3 23	P3	50	5	20	6-
	P4	40	4	5	0
	P5	10	1 3	23	6
			CHA JOS		0
				No. of Parties	6
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					6
	7				3
			To yo		

Sample Output: Enter the number of blocks:4 Enter the number of files:3 Dlock 1:5 Block 2:8 Block 3:4 Block 4:19 Enter the size of the files:file 1:1 file 2:4 file 3:7 Fragment Using a the first fit memory allocation algorithm is ampteurented. 64