Ex. No.: 10b)
Date: 10/4/25

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[i]-f[i]

5: Check highest

Program Code:

include < orthood in >>

define Max 25

int main ()

int fraglind >> | b[MAX] . f[MAX] . bf [MAX] , ff [MAX];

int i, j, nb, nf, tamp;

for (i=0; i < nb; i+1)

i ocant ("-1.d", & b[i]);

bf[i] = 0;

printf (" Enter the no. of the proces:");

orant ("1.d", & nf);

orant ("1.d", & nf);

printf ("Enter the pain of each files: In);

for (i=0; i < nf; i+1);

for (i=0; i < nf; i+1);

sant ("1.d", 62 & f(i));

```
for (1=0; 1 < n f; 1+1) &
      for (j=0; j< nb= )++)
        of (bf(j) ==0 xx b(j) >= f(ij) &
                 H(1) =3:
                bf [3] = 1;
                frag[1] = b[] - f[1];
                break;
   4 (5 = = nb) {
       HL13 = -1;
for (1=0; 1 2nf; 1++) {
  print ("7. d | t | t / d | t | t ", i+1 ", f[[]);
  4 (H[i] ! = -1)
         b (ff(i), pag(i))
      print ("Not allocated & (1t-1+1+-1n");
   elx
   3
    waterly is anti-19th grant of the
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Sample Output:

Th.	baament	of the	block anc	Proces No	Procensize	Block_ho	bagment
	bu grade	1		۶,	20	į. Ū	80
80	~			P2	30,	. 2	15
23 5				P3	50	5	20
20			4	P4	40	4	, 5
				P5	10	3:	23

Result:

Using the first fit memory allocation algorithm

is implemented