Ex. No.: 10b)
Date: 11/4/2 5

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:

してしていることととということのことのことのことのことのことのことのことに、

Include & Statio.h>

Int main () {

Int n, m;

Scant ("%, d", bn);

Scant ("%, d", bm);

Scant C"%, d", bm);

Int block [n];

Int process [m];

Int allocation [m];

For (int i=0; i<m; i+4) {

allocation [i]=1;

Y.

Int occupied [n];

For [int i=0; i<n; i+4)

{

occupied [n];

for [int i=0; i<n; i+4)

}

```
for ( int i=0 ; ikn; i++1 &
     Scanf ("10d", & block [i]);
for ("n+ 9=0; [km; 1++) {
      scanf (" %d", & proun [i]);
4
 for ( int 100 ; izm; i+t)
    for (int 7=0; T Ln; T++)
    if ( ! occupied [7]. del busch [7] 7 = procum [i])
       allocation[i] = J;
       Occupied [J]=1;
       blocks . CJ7. = procurti);
      print F ("1.d", blocks [7]);
       break;
                                             Polak No");
 print ("In Prous No
                            Procensize
  for lint 1=0; Tem; T++)
  3
     if (allocation [i] = -1)
      Brintf L" Invod It It "/a It It"/. d", it, process [i];
      alleration [i]+1);
    y else &
       printf (" In rad it it rad et it Not allocated", iti))
      mocers (iJ);
                                63
```

Output:

Enter no of blocks: 4

Block size:

B1 - 100

B2 - 500

B3 - 150

B4 - 300

Enter no of processes: 3

Procus size:

Pi - 99

P2 -211

13 - 300

Process No

Procen Size

Block No

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P

P2

P3

99

211

300

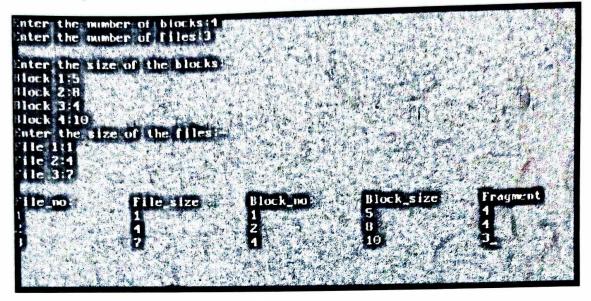
(AFT (- B2) - 1 44.1

B4

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Sample Output:



Hence First Fit mimory musquely encutod. Result: