Ex. No.: 10b)
Date: (0)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[j]-f[i]

5: Check highest

Program Code:

Hinclude < stdio. h> int main() & int b[]= {100,45,33,45,703; int prolJ= {20, 30,50, 40, 103; int frag (5), flag (5); forl int i=0; i <5; i++) frag (i) = 0;
flag (i) = 0; for lint i=0; (<5; i++) for lint j= 0; j(5; j+1) 4 (protes < b (j) > 2 flag (j) = =0)

2 frag (j) = 62 (j) - protis; glag (73=1)
3 breek;

frintfe" The fragments of the stocks an: (n'); for (int 2=0; 2<5; '4+1)

frint pe" >d \ n"; frag (1));

OUTTVT:

The fragmen to of the stocks are: 80 23 5 20.

Process No	Process singl	Block no	Fragment
PI PI	20	1	20
P2	30	2	15
. P3	50	5	20
PY	40	4	5
P5	10	3,	23

Sample Output:

Q !!

Result: Using c the first fit membry allocation algorithm is implemented.