Ex. No.: 10b) Date:

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:

indude < stdio. h> int main Log int 6[]= d 100, 45, 33, 45, 703. int 1900[] = [20,30,50,40,109] int frag [5], flag [5]: for (int 1=0:1<5; 1++) 2 trag[i]=0; bur (int i=o: i=5 > i++) 2 for (int j=0: j=5: j++) d if (fra Prosi] 255] 8 & flags;)= d trag [j] = b[j] - pro∫i]; [lag62]]=1 3 3 break:

prints (" the frag ments of blocks are !n");

for (int i=0; i=s; i++)

2 points (" '6d" In", frag (1);

3

Output:

The fragment of blocks are:

rocers No	Process-Bize	Block_No	Fragment
P.	20	1	30
P2	3 o	2	15
P ₃	50	5	20
PL	40	4	5
Ps	10	3 /	23.

Enter the number of files:3 Enter the size of the blocks:-Block 1:5 Block 2:8 Block 3:4 Block 4:10 Enter the size of the files:-File 1:1 File 2:4 File 3:7 file_no: Fragment File_size : Block_size: Block_no: 8 10

Using (program the first fit memory allocation algorithm is implemented

Result:

cus number of blocks:4