Ex. No.: 10a)
Date:

BEST FIT

Aim:

To implement Best Fit memory allocation technique using Python

Algorithm:

1. Input memory blocks and processes with sizes

2. Initialize all memory blocks as free.

3. Start by picking each process and find the minimum block size that can be assigned to current process

4. If found then assign it to the current process.

5. If not found then leave that process and keep checking the further processes.

Program Code:

include < statio, h > int main () intb [] = 2 100, 45, 33, 45, 709: int pro [] = {20,30,50,40,10}; int frag [+], flag [5]: for (int i=0; i=5; i++) trag [i] =0; of tag [i] =0; for (int i=0:125:1++)

d int min=-1: for cint j=0; j=5: j+t) 2 if (b(ij] < b(imin] | min= -1) min=1;

frag [min] = b[min] pro[i]:

blag [min] = 1;

prints ("The remaining pragments of block: \n");
for (int i=0; ics: i++)?

print (" Ed In', trag [i]);

return o

Output :-

The remaining pragments of block:

90

15

5

20

Process	Process - 812e	Block_No	Fragnent
PI	20	3	13
		2	15
P 2	30	5	RO
123	50		5
	40	4	
Pg	74 0	1	90
Ps	10		

Sample Output:

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Process No.	Process Size	Block no.
1	212	4
2	417	2
3	112	3
4	426	5

Result:

Using Cprogram the best fit memory allocation algorithm is implemented,