Ex. No.: 10a)
Date: 09 | 34/15

## 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:

Af Nest-fit(s):

| blocks = influt = influt ("Enter memory block sizes:")

| blocks = [int (size) for size in blocks\_influt . split(s)]

| fines = influt = influt ("Enter fraces sizes:")

| fines = [int (size) for size in fines\_influt . split(s)]

| alloc = [-l]\* len (fices)

| non = blocks, cofy ()

| for (i in renze (len (fices)):

| cest = None

| for j in range (len (nen)):

| if best is None or ren [j] = nen [best]:

| best = j

| dest is not None:

| alloc [i] = best

nem[best] -= fraos[i]

fruit ("In Proces No. It Process Size It Block No.")

for & in range (len (fros )):

Anist (f'[i+1] It [t & fros [i] ] It It", end="")

if & alloc [i] !=-1!

fruit (alloc [i] +1)

else:

fruit ("Not Allocation - Best Fit Algorithms")

Urst-fil)

## Sample Output:

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

Memory Allocation - Best Fit Algorithms Enter memory black orgs: 100 200 300 Enter from sujes : 150 50 250

Process no.	Proces Dig.	Block no.
2	150	
3	50	2
	280	2
		3

Result: Thus the python program to implement Best Fit memory allocation technique has been executed succeptly.

R. V.