Ex. No.: 10a)
Date: 11 4 26

## 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.

 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.

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

# unclude 2 stolio h> Program Code: int main () ( int n, m; Buist S ("Enta the so of block"); Scanf ("Y.d", i&n); built f ("Enter no of processes"); Scanf ("/ol", whis

int block [n];

int porouss [m];

int awocation [m];

int awocation [i] = -1;

for (int i = 0; i < m; i + t) {

allocation [i] = -1; for (int i=0; i zn; i++)

Scanf("1.d", d blocks ]; for (int 1=0; i 2 m; i+1)[

Built ["Enter proces"/d sige: ", i+1);

Scant ("1-d", il 59 forces [5]) int liest - index; (int i=0jicmji+t) Chest\_index = -13 j++)
for(int j=05) if (blocks Ci]>=process Ci]) if [block & [ i] < block [ list - index]) list-indes] -= perocess [i]5 Bruit & ("/n forocess no forocess sing block NO"); 05 i Lm 5 i++) Vif (allocation CiJj = -1) Spoundf("Ini.d to It I d It I'd", i+1, howcess [i] allocation [i]+ ); Bints ("In/d It It / d It It Not allocated") 3 else f i+1, processCil) 60

autput: Enter no of block: 4 Block size: B1-100 B2 -500 B3-150 B4 -300 Enter no of forocases: 3 Broces size: BP3 - 300 Block NO Brocess sige Brocess NO 211 300

Sample Output:

 Process No.
 Process Size
 Block no.

 1
 212
 4

 2
 417
 2

 3
 112
 3

 4
 426
 5

Result: Sence the last fit memory allocation technique was successfully executed

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