Ex. No.: 10a) Date: 12/4/25

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> # define max 25 int main () § int feagrouses, Ormans, fromases, Of Indese; Stalic ent bfrmax y-ffrmax]; presil ("Forter oumber of blocks: "); Dounf ("%d", & orb); pount (" Erodes number of files: "); Ecanf (" % d", 8 nb); parisif (" In tites suje of each block: 10,"); for(i=0, i<nb;i++)? pound ("Block Ind. ", i+1); scan ("%d", 8b[i]); pouril ("In Enter sine of each file: \n"); foor (i = 0; i < mf; i++)? gainly ("Tille %d: ", i+1); scarf ("%d", 8/2is); for(i=0; i<of; i++) { ent GestFat = -1; feor (j=0; j < ob; j++) { if (lof [j]==0) & b[j]>= f[i]) { if (best Fet ==-1 11 b Ej 5 < b (best Fit) best Fit = j; if (less Fet 1=-1) ? HSiJ = loest Fet; Caraglis = bElevited J- flis; 3 else E

#\frac{\frac{1}{2} = -1;
\frac{1}{2} \text{progli} = -1;
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Sample Output:

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

Result:

C proegran por emplementation of Best Fit
meroway abocation has been exceeded seconsfully.