Ex. No.: 10a) Date: 11 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 Ledio. h>.
int main () h.
    int nim;
    printf ("Entir the no. 9 blocks");
   Scanf ("/d", &m);
   Int blocks Cn J;
    int allocation [m]
    for (inti=0; izm; it+)$
       allocotion (IJ = -1;
      for (int 1:0; i < n; i++)
         & Scenf (" "/d", & block [i]);
      for Lint i =0; izm; i ++ 24
           BINF ("Enter peocess").d; sige: ",
           scanf (" ./.d", & moun [i]);
      int best-index,
      for (inti=0) 12m; 1++)
      1 best-ioh = - 1
        for Cintj=o;j<n;j+)
              Lif (blocks [j] Z procen[i];
```

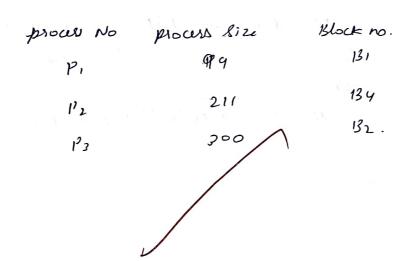
```
if Chlocks [j'] < blocks [best_indlm])
          best_inden=j;
          allocation [i] = best-inden;
         blocks [ bus +_ inslu ] = procus[i];
      3
    z
print (") n process No process sign block no ");
   for (int i=o; izm; itr)
          if (allowation [i]! = -1)
            printf (" In 1, d) t/ t 1, d 1 t/ t/ d;
                                 iti, process CT, allocation
          4
                                                    EIJ+1);
         elur
          print (" In " a 1+1+ " d 1+1+ not Alloward"
                                         it, procuelis);
          y
        z
       z
```

Output :

Block Rize

Enter no. 9 processes:3

Mouls Rize



Sample Output:

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

alle

Result:

Here the lust fit memory allocation technique has.