Ex. No.: 10a)
Date: 9|4|25

BEST FIT

WALLEY TO MANAGE

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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.

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

Program Code:

```
# mclude < stdip. h>
 int main Col
  mt bl] = 8100, 45, 33, 46, 703;
 int prol7= 120, 30, 50, 40, 103;
   int pragis], flag (5);
  fortint i=0°, 1<5; i++)
        frage17 : 0;
 forc ind 1 = 0; ic5; i++)
      int mins-1;
            41 POO(1) < b(1) 22 Hag(1)==0)
                4(66)] < beming 11 min = -1)
min = 3;
      frag [min] = bemin] = pro [1];
frag [min] = [
```

frints ("The runaining fragments of blocks; \n");
for lint 1=0; 125: 1+4) {

print per x d in 3 frag (13);

3

seturn o;

1

OUTPUT:

The rimaining fragments of block;

90

15

13

6

20.

Process	Prous-size	Block-No	Fragment
PI	20	3	13
P2	30	2	15
P3	50	5	20
PY	40	4,	5
P5	10		90

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FORENCE COURS

All Silving and March Street, Street,

Sample Output:

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

Result: uning (the depot fit mumory allocation algorithm is implemented.