EE No.: 10a) pale: 9/4/25

BEST FIT

To implement Best Fit memory allocation technique using Python.

h laput memory blocks and processes with sizes

Initialize all memory blocks as free. 2. Initialize a...
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.

4. If found then leave that process and keep checking the further processes.

program Code:

If bettit Chise, m, giose, w:

allow = I-17*w

you i in range con:

hertida =-1

for y in honge Chip:

if being [j]>= frige [i]:

if butidoc==-1:

lestidac=1

girl - Cabitral Japine file

j=solitist.

if lest Idac 1= -1:

Olhoc I iT - lestidac

brize [brize [i]

for i in signification

fruit Ci+1," ", prizetit, end="")
if Colloctit!=D:

frint Callac Tis +1)

else:

faint C"Not Allocated");

wome--='-wain-!:

brieze = [100, 500, 200, 300, 600]

faize = [212, HT, 312, H26]

m = law Chrize

m = law Chrize

buttet Chrize m, frisen

buttet Chrize m, frisen

Output:
Process No Process Size Blockers

1 212 2 600

3 312 5

4 426 Not Allocated

Sample Output:

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

Result:

werig att væt tit tred att essessart beiginer dans betremelfert is resessart

Ex. No.: 10b)
pate: 1014/25

FIRST FIT

Aim: To write a C program for implementation memory allocation methods for fixed partition using first fit.

Algorithm:

1. Define the max as 25.
1. Define the variable frag[max],b[max],f[max],i,j,nb,nf,temp, highest=0, bf[max],ff[max]. 3:
2. Declare the variable frag[max],b[max],f[max],i,j,nb,nf,temp, highest=0, bf[max],ff[max]. 3:
3. Define the max as 25.
4. Declare the variable frag[max],b[max],f[max],i,j,nb,nf,temp, highest=0, bf[max],ff[max]. 3:
4. In for loop check bf[j]!=1, if so temp=b[j]-f[i]

4: In 101 100p 5: Check highest

Program Code:

#includer statio ?w>

define & MX 25

Consison this

int bothard, bothard, bc, b. [Max], bc, olbocthard, bragment[MAX];

friends C" Enter no of Hemory Blocks. Cmare

Keant C"12", 260;

frient of Each block: 12);

bor Cint i=0 ix bc; itt

frient ("Plack / de rise "i+); reant ("182, & bestil);

Cisal = Cisad

2

wint of filer Cross 1.do: Monte C" - 1. d. ", & BO;

Monte C" Entrer size so points c" Enter rize of each file: In);

puints cint i=0; info; i+) faintly C" File 1. d ruse", it) recomportion, spection. fragment[i] =0; for cint i=0; info; i++) for civit 1=0; 1/2 bo; 1++>8 ib Checijy = fectij alloctit=j;
fragment tit-brtit;
brtit-freit
brok; wintfo" In File No It File rise of Block.
No It Block rise t Fragment wil for Cint 1=0; info; itt fountle" 1. 2) Ext of 1616", it for [I]; C= 1 EgIvalla di out bro = objection;

Sprints C". of 1the odlet of open of the charal gogment of

Output :-Enter no of memory blocker: - H Block 1 rize 300 Block a rise: 250 Black 3 risk: 400 Block 4 rise: 500 Enter no of filer: 4 File 1 ring: 212 File 2 rige: 200 File 3 rize: 312 File 4 Kize: 417 File No File rize Godfrise Plack No Fragmeri 250 38 2 21/21 200 300 100 912 400 88 Lit Jan 83 500

friends C" Not Mocated It- Itil - In?

elve &

Sample Output:

```
the number of blocks: 4

Inter the number of files: 3

Inter the size of the blocks: 4

Inck 1:5

Inck 2:8

Inck 4:19

Inter the size of the files: 5

Inter the size of the files: 5

Inter the size of the files: 5

Inter the size of the files: 6

Inter the size of the blocks: 6

Inter the size of t
```

- Henry the first fit algorithm in Inflemented and execution.

64 & W