FIRST FIT MEMORY MANAGEMENT

AIM:

TO WRITE A PROFRAM FOR FISRT FIT MEMORY MANAGEMENT USING C LANGUGAE.

The First Fit memory allocation checks the empty memory blocks in a sequential manner.

It means that the memory Block which found empty in the first attempt is checked for size.

But if the size is not less than the required size then it is allocated.

OR

In the First Fit Memory Management Scheme, we check the block in the sequential manner i.e we take the first process and compare its size with the first block.

If the size is less than the size of the first block then only it is allocated.

Otherwise, we move to the second block and this process is continuously going on until all processes are allocated.

ALGORITHM:

**1 Step:** START.

**2 Step:** At first get the no of processes and blocks.

**3 Step:** Allocate the process by **if(size of block>=size of the process)** then allocate the process else move to the next block.

**4 Step:** Now Display the processes with blocks and allocate to respective process.

**5 Step:** STOP.

OR

**ALGORITHM:**

**Step 1**.Get the number of process and number of blocks.

**Step 2**.Get the size of each block.

**Step 3**. Allocate process  If (size of the block > = size of the process)  
//allocate the process  
else  
//move on to the next blog

**Step 4**.Display the process with the blocks allocated to a respective process

**Step 5**.Stop.

Graphical user interface, text

Description automatically generated

Graphical user interface

Description automatically generated with low confidence

PROGRAM:

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

OUTPUT:

Table

Description automatically generated

Table

Description automatically generated

RESULT:

FIRST FIT MEMORY MANAGEMENT WAS SUCCESSFULLY IMPLEMENT USING C LANGUAGE.