WORST FIT ALGORITHM

AIM:

TO WRITE A PROGARM FOR THE WORST FIT ALGORITHM USING C LANGUAGE .

The worst fit memory allocation scheme, the operating system searches for free memory blocks demanded by the operating system.

An empty block is assigned to the processes as soon as the CPU identifies it.

The scheme is also said as the worst fit memory management scheme as sometimes a process is allocated a memory block which is much larger to the actual demand resulting in a huge amount of wasted memory.

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

maximum block size that can be assigned to

current process i.e., find max(bockSize[1],

blockSize[2],.....blockSize[n]) >

processSize[current], if found then assign

it to the current process.

5- If not then leave that process and keep checking

the further processes.

OR

* **Step 1:**Input memory block with a size.
* **Step 2:**Input process with size.
* **Step 3:**Initialize by selecting each process to find the maximum block size that can be assigned to the current process.
* **Step 4:**If the condition does not fulfill, they leave the process.
* **Step 5:**If the condition is not fulfilled, then leave the process and check for the next process.
* **Step 6:**Stop.

Graphical user interface, text

Description automatically generated

A picture containing table

Description automatically generated

PROGRAM:

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

OUTPUT:

Table

Description automatically generated with low confidence

RESULT:

THE GIVEN PROGRAM FOR WORST FIT ALGORITHM USING C LANGUAGE WAS SUCCESSFULLY EXECUTED.