

Operating System Lab

Question

- a) Given five memory partitions of 300 KB, 600 KB, 400 KB, 500 KB, and 600 KB (in order), how would each of the best fit and worst-fit place processes of 320 KB, 430 KB, 110 KB, and 520 KB (in order)?

Write a program to implement the best fit and worst fit algorithm for memory allocation.

- Write an algorithm for the above program
- Source code of the program
- Program output as follows
- Get the input from the user
- Display process Id , process size, Block No, unused memory space

- b) Write a program to implement the page replacement algorithms.

Optimal

Reference string: 6 0 1 2 0 3 0 4 2 3 0 3 2 1 2 0 1 6 0 1 6

- Write an algorithm for the above program
- Source code of the program
- Get the necessary input from the user
- Display the page fault / page hit for each value in the reference string
- Display the total no.of page fault and Page hit