

Cycle 5

Memory Management Techniques

Experiment No. 5.1

Aim : Implementation of the memory allocation schemes for fixed partition.

(1) Write a menu driven program to implement first fit, best fit and worst fit algorithms. Also calculate the memory memory wastage due to internal fragmentation in each case.

Experiment No. 5.2

Aim : Implementation of the page replacement algorithms.

(2) Write a menu driven program to implement the following page replacement algorithms. Also calculate the number of page faults, hit and miss ratio in each csae.

(a) FIFO (b) LRU (c) LFU (d) optimal