

Implementation of Memory Management & allocation algorithms

1. Given memory partitions of 100K, 450K, 250K, 300K, and 600K (in order), how would each of the First-fit, Best-fit, and Worst-fit algorithms place processes of 212K, 317K, 172K, and 426K (in order)? Which algorithm makes the most efficient use of memory and explain?
2. Given memory partitions of 300K, 650K, 450K, 500K, and 800K (in order), how would each of the First-fit, Best-fit, and Worst-fit algorithms place processes of 412K, 517K, 372K, and 626K (in order)? Which algorithm makes the most efficient use of memory and explain?
3. Write a program for the implementation of Contiguous File Allocation Method

File Name	START	LENGTH
Factorial	12	6
Calculate	5	3
Simple Interest	8	12

4. Write a program for the implementation of Linked File Allocation Method