OS LAB FILE

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ROLL No.-20BCS009

COURSE-B.Tech C.S.E

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	Gantt chart for it.	
8	Write a program to implement the Highest Response Ratio Next (Non-preemptive) algorithm and find the average turnaround time, waiting time, completion time and response time for overall process.	
9	Write a program to implement the First fit memory management algorithm. Program should take input total no. of memory block ,their sizes , process name and process size. Output of program should give the details about memory allocated to process with fragmentation detail.	
10	Write a program to implement the Next fit memory management algorithm. Program should take input total no. of memory block ,their sizes , process name and process size. Output of program should give the details about memory allocated to process with fragmentation detail.	
11	Write a program to implement the Best fit memory management algorithm. Program should take input total no. of memory block ,their sizes , process name and process size. Output of program should give the details about memory allocated to process with fragmentation detail.	
12	Write a program to implement the worst fit memory management algorithm. The program should take input total no. of the memory block, their sizes, process name, and process size. The output of the program should give the details about memory allocated to process with fragmentation detail.	
13	Write a program to implement the First In First Out(FIFO) page replacement algorithm. Program should take input reference string and total no. of pages that can accommodate in memory. Output	

	contains detail about each page fault details and calculate average page fault.	
14	Write a program to implement the Least Recently Used (LRU) page replacement algorithm. Program should take input reference string and total no. of pages that can accommodate in memory. Output contains detail about each page fault details and calculate average page fault.	
15	Write a program to implement FCFS and SSTF elevator disk scheduling algorithm. Program should give detail about each disk movement from starting head position (input from user) and calculate average head movement	