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Lab 3

Operating Systems

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1. External memory fragmentation is when the total memory space exists to satisfy a request while internal memory fragmentation can have allocated memory which is larger than the requested memory.
2. Process A: 212KB  
Process B: 417KB  
Process C: 112KB  
Process D: 426KB

Memory Space	Optimal	First Fit	Best Fit	Worst Fit
100KB				
100KB	Process D	Process A	Process B	Process B
100KB	Process D	Process A	Process B	Process B
100KB	Process D		Process B	Process B
100KB	Process D		Process B	Process B
100KB				
100KB	Process C	Process C	Process C	
100KB				
100KB	Process A		Process A	
100KB	Process A		Process A	
100KB				
100KB	Process B	Process B	Process D	Process A
100KB	Process B	Process B	Process D	Process A
100KB	Process B	Process B	Process D	
100KB	Process B	Process B	Process D	Process C
100KB				
100KB				

\*\*Process D did not have any allocated memory for First Fit and Worst Fit.