Operating Systems
Project 19

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The resullting state of the memory after each algorithm is as follows: x represents filled memory with unknown data. The m is the memory that is allocated, and numbers represent free memory at the end.

1 First Fit

| x | m_2 | m_3 | 2 | x | 5 | x | m_1 | 1 | x | 9 | x | m_4 | 16 | x | m_5 | 7 | x |

2 Next Fit

| x | 10 | x | 5 | x | m_1 | 1 | x | m_2 | m_3 | 1 | x | m_4 | 16 | x | m_5 | 7 | x |

3 Best Fit

| x | 10 | 5 | m_1 | 1 | x | m_2 | m_3 | x | m_5 | 15 | x | m_4 | 8 | x |

4 Worst Fit

| x | 10 | x | 5 | x | 14 | x | 9 | x | m_1 | m_3 | m_5 | x | m_2 | m_4 | 2 | x |