Assignment 10

Given the graph below, determine the minimum spanning tree using Kruskal's algorithm.

1. List all the edges in the graph, sorted by their weights in ascending order.
2. Starting with an empty set of edges, add the first edge to the set if it does not form a cycle with the existing set. Repeat until the set contains n-1 edges, where n is the number of vertices in the graph.

Draw the minimum spanning tree and identify the edges that form the tree.

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A---B
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|   |
C---D
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A---B
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|   |
C---D
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A---B
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C---D
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A---B
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C---D
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A---B
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C---D
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A---B
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C---D
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A---B
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C---D
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A---B
|   |
|   |
C---D
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