1. Understand the problem and after analysis formulated it as a Minimum Spanning Tree for the given network.
2. Implemented the code for the given network and tested it against the test case provided by project Euler. Verified the solution from the website.
3. Written appropriate test cases to test the solution.
4. For additional testing using a container, wrote a docker file to test code inside a container.
5. Documentation and output provided for the solution and testing.