

Note: You may implement using C or C++

1. Design and implement an algorithm using brute force approach that finds the top and the least scores of students from an online Quiz. Take scores as input and store in an array.
2. Take 'n' historic sites in Tamil Nadu as input. Design and implement an algorithm using brute force approach that identifies the shortest possible route for a traveller to visit these sites and come back to his starting point.
3. Design and implement an algorithm using divide and conquer approach that finds the maximum and minimum element from the elements stored in an array.
4. Write a menu driven program to implement matrix multiplication and Strassen's matrix multiplication algorithm using divide and conquer approach.