1. **Implement depth first search algorithm. Use an undirected graph and develop a recursive algorithm for searching all the vertices of a graph or tree data structure.**

2. **Implement Breadth First Search algorithm. Use an undirected graph and develop a recursive algorithm for searching all the vertices of a graph or tree data structure.**

3. **Implement Greedy search algorithm for Selection Sort.**

4. **Implement Greedy search algorithm for Minimum Spanning Tree.**

5. **Implement Greedy search algorithm for Single-Source Shortest Path Problem.**

6. **Implement Greedy search algorithm for Job Scheduling Problem.**

7. **Implement Greedy search algorithm for Prim's Minimal Spanning Tree Algorithm.**

8. **Implement Greedy search algorithm for Kruskal's Minimal Spanning Tree Algorithm.**

9. **Implement Greedy search algorithm for Dijkstra's Minimal Spanning Tree Algorithm.**

10. **Implement a solution for a Constraint Satisfaction Problem using Branch and Bound and Backtracking for n-queens problem or a graph coloring problem.**

11. **Develop an elementary Chabot for any suitable customer interaction application.**

12. **Implement any one of the following Expert System.**
    a. **Information management**
    b. **Stock market trading**

13. **Installation and configure Google App Engine.**

14. **Creating an Application in SalesForce.com using Apex programming Language.**

15. **Write a Java/C/C++/Python program to implement DES algorithm.**

16. **Write a Java/C/C++/Python program to implement AES Algorithm.**

17.