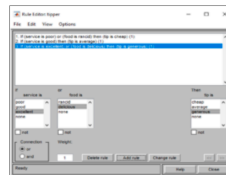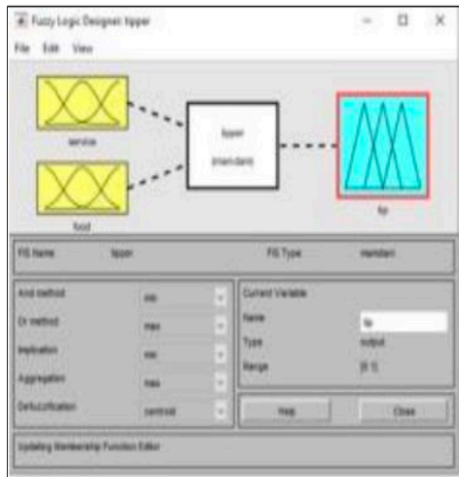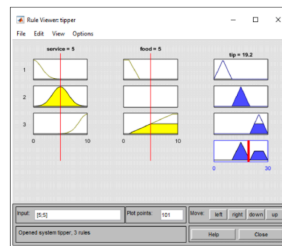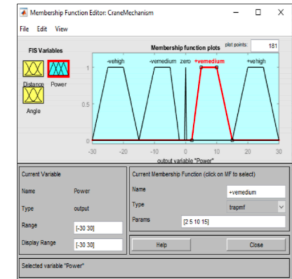Lab13

THE BASIC TIPPPING PROBLEM
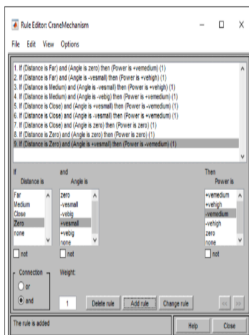
2) Attach the screenshots of FIS editor, membership functions of all input & output parameters, rule editor and rule viewer.

3) Implement the following rule set in matlab, to control the mechanism of a fuzzy logic based washing machine.

• If clothe material is soft and status is clean then apply low power for less cycle time.

• If clothe material is soft and status is dirty then apply low power for long cycle time.

• If clothe material is medium and status is dirty then apply medium power for long cycle time.

• If clothe material is hard and status is clean then apply medium power for long cycle time.

• If clothe material is hard and status is dirty then apply high power for long cycle time.

4) Attach the screenshots of FIS editor, membership functions of all input & output parameters, rule editor and rule viewer.