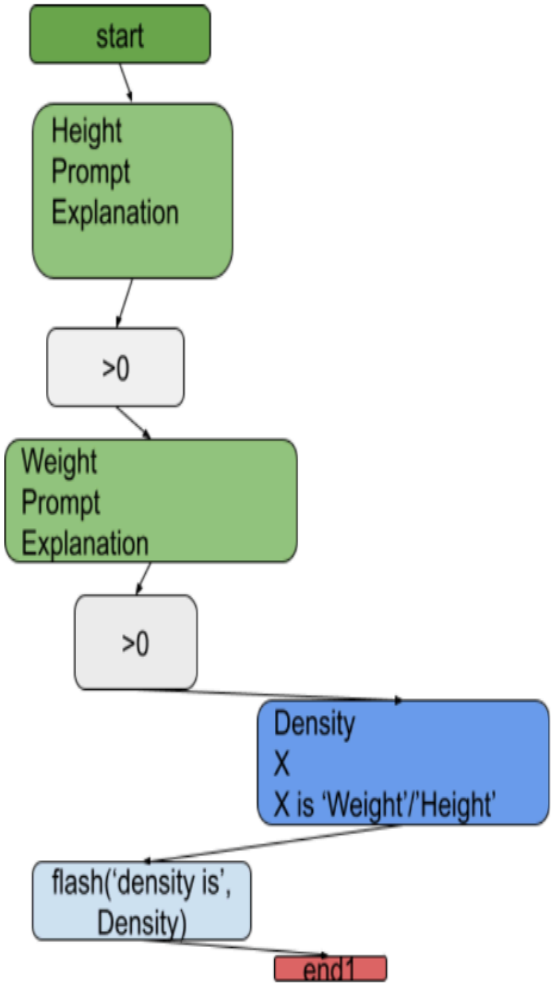
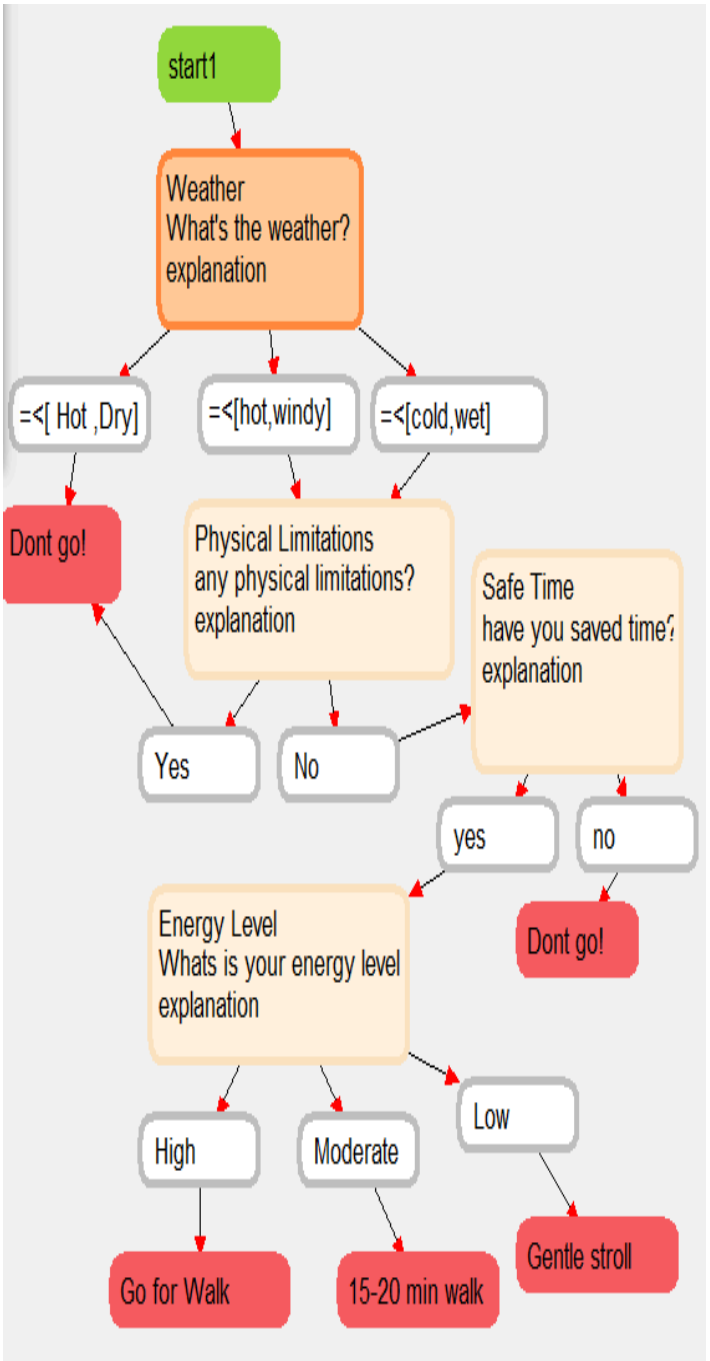
LAB10

Q1:



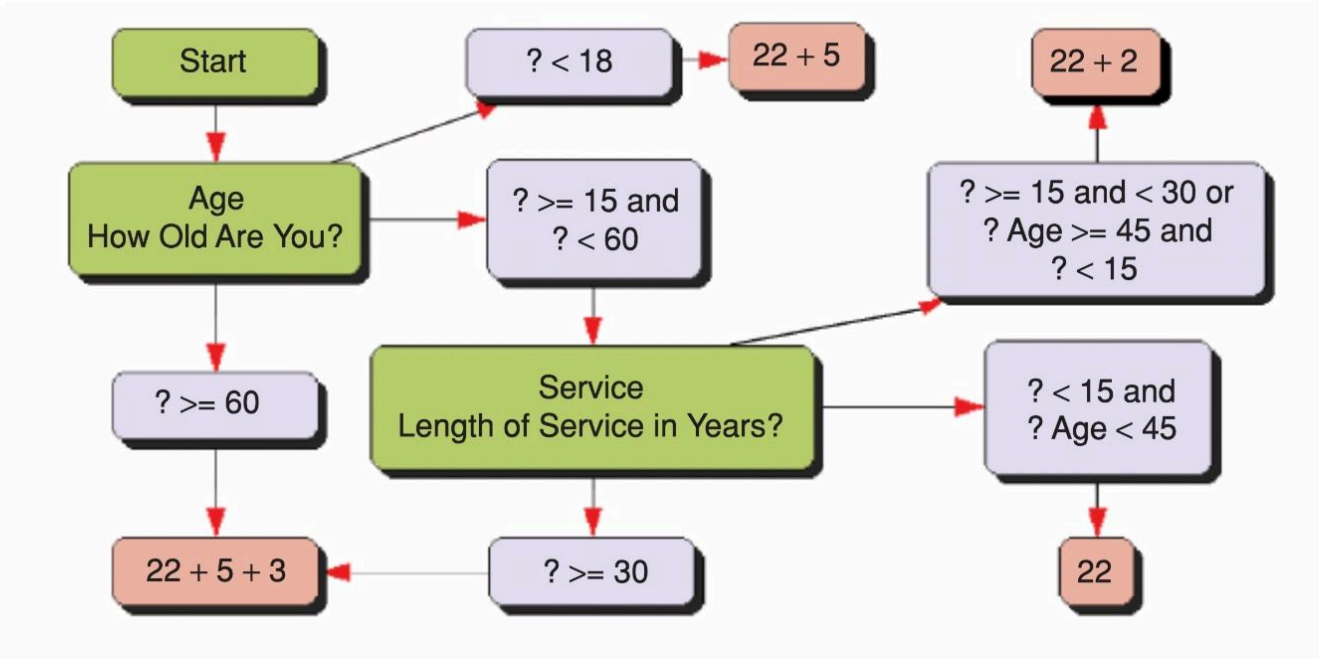
Q1

Q2:

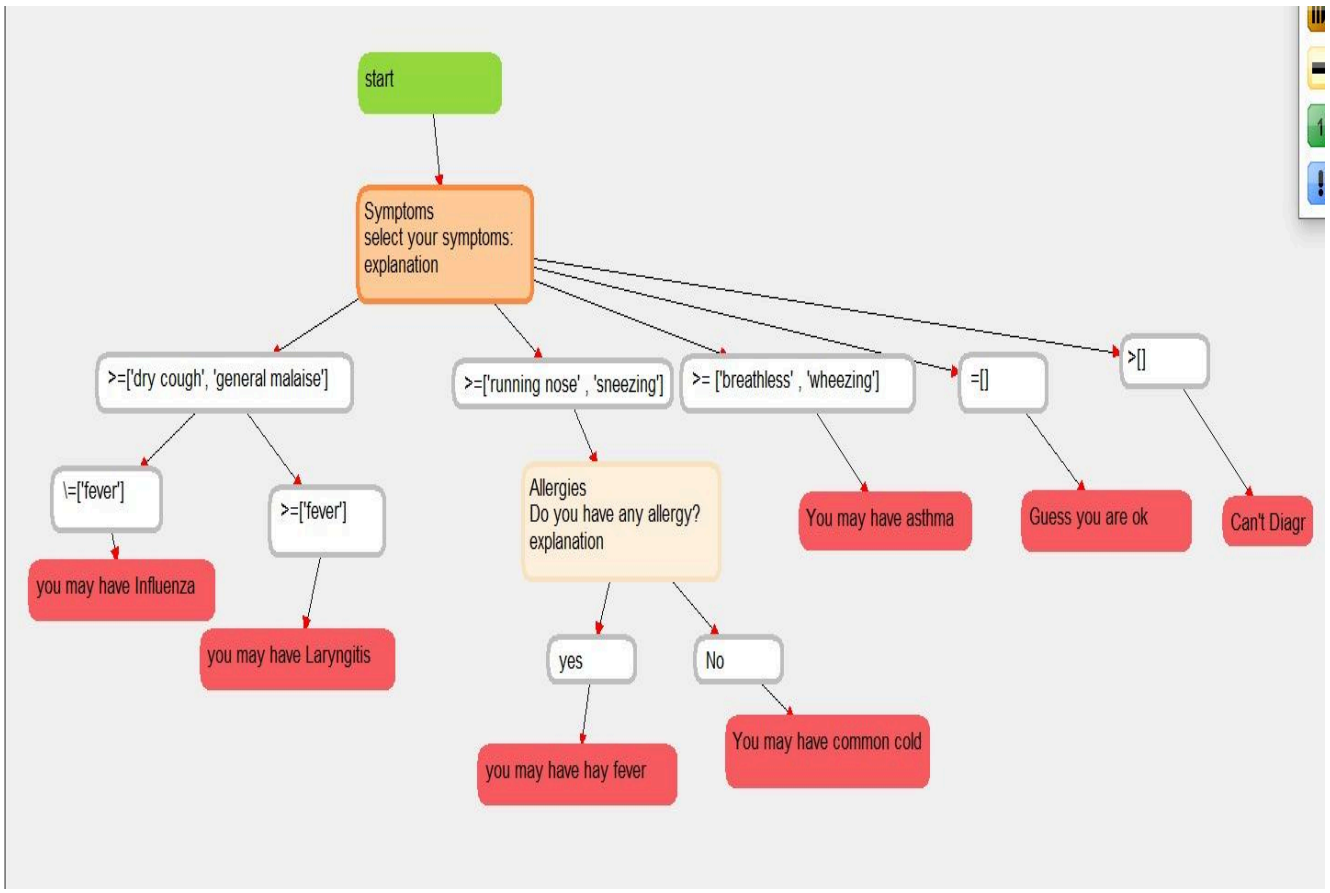


Lab11

Q1:

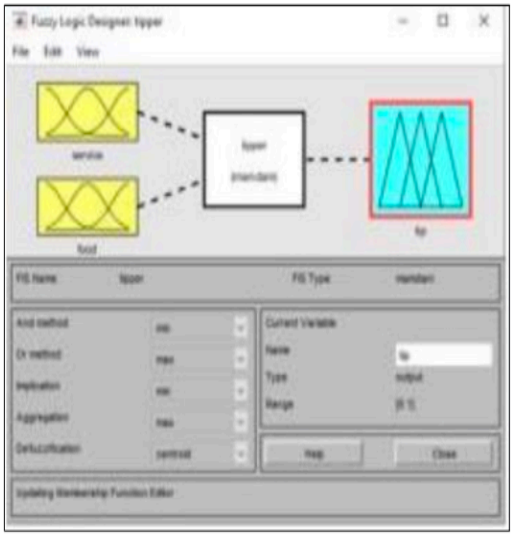

Start
Age
How Old Are You?
? < 18
22 + 5
? >= 15 and
? < 60
22 + 2
? >= 15 and < 30 or
? Age >= 45 and
? < 15
? >= 60
Service
Length of Service in Years?
? < 15 and
? Age < 45
22 + 5 + 3
? >= 30
22

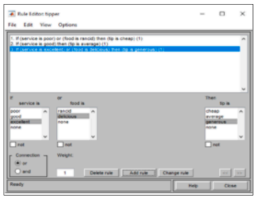
Q2:

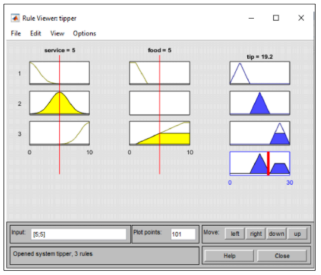

start
Symptoms
select your symptoms:
explanation
>=['dry cough', 'general malaise']
>=['running nose' , 'sneezing']
>= ['breathless' , 'wheezing']
=[]
>[]
\=['fever']
>=['fever']
Allergies
Do you have any allergy?
explanation
You may have asthma
Guess you are ok
Can't Diagr
you may have Influenza
you may have Laryngitis
yes
No
you may have hay fever
You may have common cold

Lab13

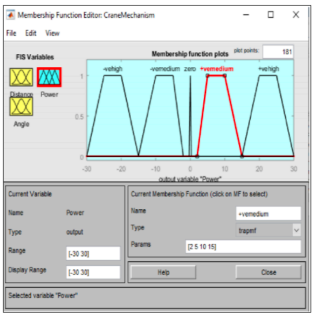
THE BASIC TIPPPING PROBLEM

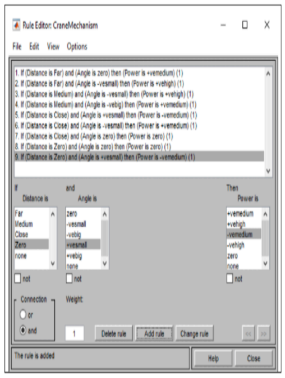


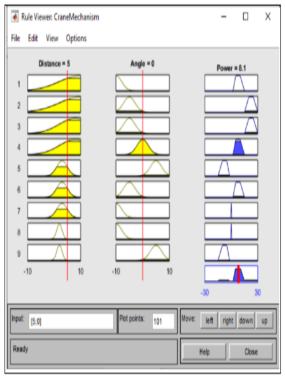




2) Attach the screenshots of FIS editor, membership functions of all input & output parameters, rule editor and rule viewer.







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.