

ARTIFICIAL INTELLIGENCE

Lab Assignment -3

Instructions:

- a. Assignment must be uploaded in PDF with following naming convention: “AdmNO_Name_LabAssig_3” over Classroom.
- b. Prolog Programming language has to be used to solve the questions
- c. The source code must be written against each question followed by output screen shot.

Questions:

1. Which functions are used to take input and show output in PROLOG? Write a program to input your name from keyboard and display it on screen.
2. Write a PROLOG program for solving the following:
 - i) Implement a Menu Driven Calculator having functionalities like: Addition, Subtraction, Multiply, Divide. Take two variables, input it from keyboard then display the result in third variable on screen.
 - ii) Find maximum and minimum of 3 numbers, read numbers from keyboard.
 - iii) A traffic signal system has rules as follows:
 - a. ODD date number plate vehicles are eligible for Monday, Wednesday and Friday.
 - b. EVEN number plate vehicles are eligible for Tuesday, Thursday and Saturday.
 - c. On Sunday all vehicles are eligible for running in traffic.

Read a vehicle number from keyboard & display its eligible days.