S. V. National Institute of Technology Surat

CO 405: PRINCIPLE OF PROGRAMMING LANGUAGES (CS-IV)

Assignment-3

1. Write a prolog program to implement Menu Driven Calculator.
2. Write a prolog program to find maximum and minimum of salaries of given 3 employees.
3. Write a prolog program to check whether given number is odd or even.
4. Write a prolog program to check whether a given year is leap year or not.
5. Write a prolog program to give grade to a student based on total marks given:
     - 100 – 80 Grade A
     - 60 – 79 Grade B
     - 35 – 59 Grade C
     - 1   – 35 Grade D

6. Write a prolog program to take values of length and breadth of a rectangle from user and check if it is square or not.
7. Write a PROLOG program to calculate the roots of quadratic equation Consider all possibilities real, equal, imaginary.
8. Write a PROLOG program to find the number whether the number is positive, negative or Zero.