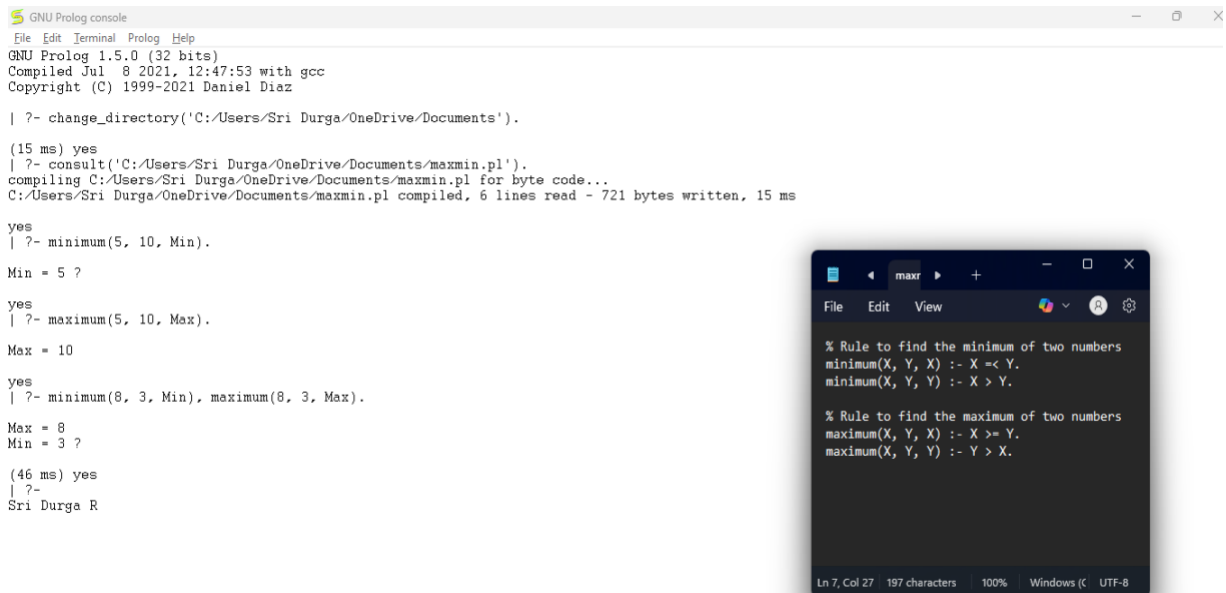


NAME : SNEHAN.S

REG NO:241801272

EXP.NO: 5

## IMPLEMENTATION OF DECISION MAKING AND KNOWLEDGE REPRESENTATION



The screenshot shows the GNU Prolog console window with the following text:

```
GNU Prolog console
File Edit Terminal Prolog Help
GNU Prolog 1.5.0 (32 bits)
Compiled Jul 8 2021, 12:47:53 with gcc
Copyright (C) 1999-2021 Daniel Diaz

| ?- change_directory('C:/Users/Sri Durga/OneDrive/Documents').

(15 ms) yes
| ?- consult('C:/Users/Sri Durga/OneDrive/Documents/maxmin.pl').
compiling C:/Users/Sri Durga/OneDrive/Documents/maxmin.pl for byte code...
C:/Users/Sri Durga/OneDrive/Documents/maxmin.pl compiled, 6 lines read - 721 bytes written, 15 ms

yes
| ?- minimum(5, 10, Min).

Min = 5 ?

yes
| ?- maximum(5, 10, Max).

Max = 10

yes
| ?- minimum(8, 3, Min), maximum(8, 3, Max).

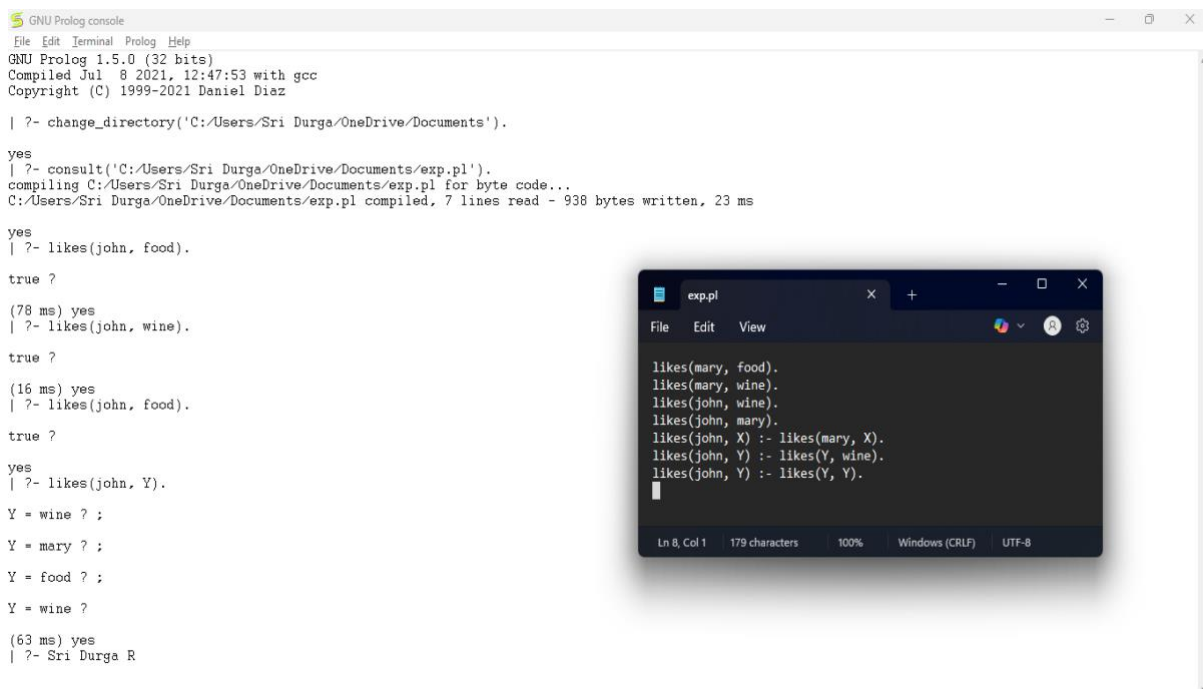
Max = 8
Min = 3 ?

(46 ms) yes
| ?-
Sri Durga R
```

Next to the console is a code editor window titled 'maxr' containing the following Prolog code:

```
% Rule to find the minimum of two numbers
minimum(X, Y, X) :- X <= Y.
minimum(X, Y, Y) :- X > Y.

% Rule to find the maximum of two numbers
maximum(X, Y, X) :- X >= Y.
maximum(X, Y, Y) :- Y > X.
```



The screenshot shows the GNU Prolog console window with the following text:

```
GNU Prolog console
File Edit Terminal Prolog Help
GNU Prolog 1.5.0 (32 bits)
Compiled Jul 8 2021, 12:47:53 with gcc
Copyright (C) 1999-2021 Daniel Diaz

| ?- change_directory('C:/Users/Sri Durga/OneDrive/Documents').

yes
| ?- consult('C:/Users/Sri Durga/OneDrive/Documents/exp.pl').
compiling C:/Users/Sri Durga/OneDrive/Documents/exp.pl for byte code...
C:/Users/Sri Durga/OneDrive/Documents/exp.pl compiled, 7 lines read - 938 bytes written, 23 ms

yes
| ?- likes(john, food).

true ?

(78 ms) yes
| ?- likes(john, wine).

true ?

(16 ms) yes
| ?- likes(john, food).

true ?

yes
| ?- likes(john, Y).

Y = wine ? ;

Y = mary ? ;

Y = food ? ;

Y = wine ?

(63 ms) yes
| ?- Sri Durga R
```

Next to the console is a code editor window titled 'exp.pl' containing the following Prolog code:

```
likes(mary, food).
likes(mary, wine).
likes(john, wine).
likes(john, mary).
likes(john, X) :- likes(mary, X).
likes(john, Y) :- likes(Y, wine).
likes(john, Y) :- likes(Y, Y).
```