https://lh5.googleusercontent.com/dplghwJq6X4fhzS5H6mFhAFj9x6vI-Y8xCT8NFOTS1m1Xqxiq7nkadVUnCPhdF0ePu4loIUkqVjtvmt0NXfO2k9ohAj4vSqxuecZS-EBDoWiRGD-hgPkQa4QEs6nQaUoqsWtkTeeVLr0namIZbmEyQhttps://lh3.googleusercontent.com/BTBdPiSJjxGslQH3BeZD4BaoJZ39HCgQmAhUsT_pMmuCBkQpXF4Oufxkc29xElrbY7UOC_t-XYD8wCe8-xr0WMFCu3DhySoqaYXxkDd4zDvRd6uFglNfbvwNH7fYiWW7sNqHblYmu1wrAZV9wwFdXA

**GHARDA FOUNDATION**

**GHARDA INSTITUTE OF TECHNOLOGY, LAVEL**

Department of Computer Engineering

**Evaluation Sheet**

Class: TE-Computer Engineering Sem: VI Subject: **Artificial Intelligence Lab(CSL604)**

Experiment No: 9

Title of Experiment: Study the implementation of family tree using PROLOG.

Name of Student: Niraj Nitin Surve Roll No: 68

Date of Performance: 14/03/2023

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Evaluation Criteria | Max Marks | Marks Obtained |
| 1 | Practical Performance | 8 |  |
| 2 | Oral | 5 |  |
| 3 | Timely Submission | 2 |  |
|  | Total | 15 |  |

                   Signature of Subject Teacher

     (Prof. M. A. Khandke)

**Program Code –**

% Facts

father(nitin, niraj).

father(nitin, isha).

father(shrikant, nitin).

father(shrikant, suhas).

father(sitaram, shrikant).

father(suhas, sujal).

father(suhas, sagarika).

mother(nidhi, niraj).

mother(nidhi, isha).

brother(niraj, isha).

brother(suhas, nitin).

sister(isha, niraj).

wife(nidhi, nitin).

wife(suvidha, suhas).

% Rules

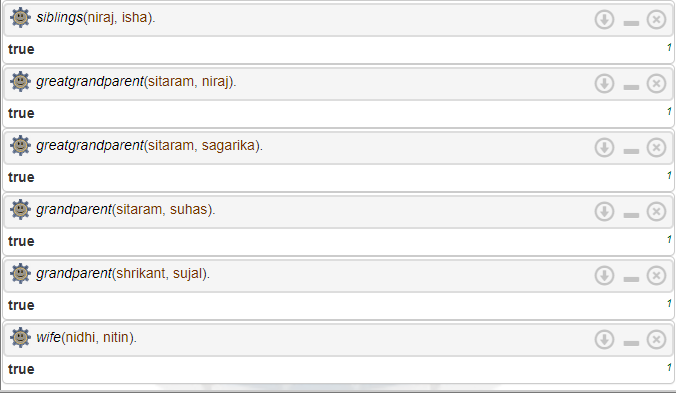
parent(X, Y) :- father(X, Y).

grandparent(X, Y) :- parent(X, Z), parent(Z, Y).

greatgrandparent(X, Y) :- grandparent(X, Z), parent(Z, Y).

siblings(X, Y) :- brother(X, Y), sister(Y, X).

**Output –**

****