**ARTIFICIAL INTELLIGENCE**

**Assignment 3:**

Q1>**Given the partial family tree of the gods of the ancient Greeks encoded as a**

**Prolog database:**

parent(chaos, gaea).

parent(gaea, cyclope).

parent(gaea, chronos).

parent(gaea, coeus).

parent(gaea, oceanus).

parent(uranus, cyclope).

parent(uranus, chronos).

parent(uranus, coeus).

parent(uranus, oceanus).

parent(chronos, hades).

parent(chronos, poseidon).

parent(chronos, zeus).

parent(rhea, hades).

parent(rhea, poseidon).

parent(rhea, zeus).

parent(coeus, leto).

parent(phoebe, leto).

parent(leto, apollo).

parent(leto, artemis).

parent(zeus, apollo).

parent(zeus, artemis).

parent(oceanus, iapetus).

parent(tethys, iapetus).

parent(hera, ares).

parent(zeus, ares).

male(chaos).

male(cyclope).

male(uranus).

male(chronos).

male(coeus).

male(oceanus).

male(hades).

male(poseidon).

male(zeus).

male(ares).

male(apollo).

male(iapetus).

female(gaea).

female(rhea).

female(leto).

female(hera).

female(phoebe).

female(tethys).

female(artemis).

**define rules for the following relationships:**

a) father

b) mother

c) child

d) son

e) daughter

f) sibling

g) aunt

**and find the followings:**

h) Father of Ares

i) Mother of Apollo

j) Children of Uranus

k) Son of Zeus

l) Daughter of coeus

m) All siblings of Hades

n) Aunt of Leto