19th November, 2024 Tuesday Laboratory - 8

Explanation of the Algorithm -

1) John is a human
   Human (John)

2) Every Human is mortal.
   $\forall x$ (Human (x) $\rightarrow$ Mortal (x))

3) Joseph loves Mary
   loves (Joseph, Mary)

4) There is someone who loves Mary
   $\exists x$ (loves (x, Mary))

5) All dogs are animals
   $\forall x$ (dogs (x) $\rightarrow$ animal (x))

6) Some dogs are black
   $\exists x$ (Dog (x) $\wedge$ Black (x))

Unification: Eats (x, Apple)
Eats (Riya, y)

= Eats (Riya, Apple)

Proceed

Sample:

Enter a sentence like

1) John is a human
2) Every Human is mortal
3) John loves Mary
4) There exists someone who loves Mary

Enter a sentence: Mary is the mother of Jesus
False