### Experiment – No-6

***Problem Statement :*** Check the following first order predicate logic (FOPL) for the following expression and mention the outpu:

kb1 = pl.KnowledgeBase("friendship")

kb1(["friend(krishna,sudama)", "friend(arjun, krishna)"])

1. kb1.query(pl.Expr("friend(sudama, arjun)"))
2. kb1.query(pl.Expr("friend(sudama, krishna)"))
3. kb1.query(pl.Expr("friend(krishna,sudama)"))

***Program:***

pip install pytholog

import pytholog as pl

kb1 = pl.KnowledgeBase("friendship")

kb1(["friend(krishna,sudama)", "friend(arjun, krishna)"])

kb1.query(pl.Expr("friend(sudama, arjun)"))

kb1.query(pl.Expr("friend(sudama, krishna)"))

kb1.query(pl.Expr("friend(krishna,sudama)"))

### *Output :*

