EX NO: 12

DATE :

PROLOG

AIM

To develop a family been program using PROIDE with all possible facts, rules and queries.

PROGRAM:

male (Peter)

male (John)

male (chors)

male (kevin)

female (betty)

female (jeny)

female (lisa)

female (helen)

parentof(chris, peter)

parent of (chois, betty).

parent of (helen, peter)

parcent of (helon, betty)

parent of (kevin, chris)

porcent of (Kevin, Mesa)

parentof (geny, John)

parentof (jeny, helen)

father (x, y):-male (y), parent of (x, y). mother (x, y):- female (y), parent of (x, y). grandfather (x, y):- male (y), parent of (x, 2), parentof(z, y). grandmother (x, y): - female (y), parent of (x,z), parentof (z, y). brother (x, y): - male (y), father (x,z), father (Y, W), 2==W. sister (x, y):-female (y), father (x, 7), sirds W given a father (Y, W), Z == W.

	OUTPUT: (V) X)
	male (Peter) - true
	father (chris. peter) - true
	father (chois. betty) - Palse
	grandfather (kevin peter) - true
	grandfather (seny, peter) - true
1	grandmother (jerry peter) - fælse
	mother (chris, X) - X = betty
1	brother Chelen, chris) - true
1	brother(chris, helen) - false
1	(VIOlone of CV x) to your
1	father(x,y)
1	X=chris, Y=peter
1	X=helen, Y= peter
1	X= jerocy, Y= John
	X = kevin, Y= chris
	The state of the s
1	mother (x, y)
	x = chris, y-betty
	X=holen, Y=hetty
1-1-	X = Kemin, Y = Usa
+-	X = Jerry, Y=helen

grandmother (x, 4)

X = kovin, Y = betty

X = seny, Y = betty

grandfather (x, y)

X = kevin, Y = peter

x = gerry, Y = peter

brother (x, y)

x=4, y= chr9s

X = helen

4 = chris

x = 4, 4 = Kevin

sister (x, y)

X= 4, 4= jeny

X = chris

Y = holen

x = 4, 4=helen.

RESULT:

A family tree program using prolog with all possible facts, rules and queries are successfully developed.