Prolog Proc	ograming Assign	ment PAGE No.		
Name: Si	iddhesh S. Sau	vant		
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	Proolog Programming Absignment DATE
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	How does que sierellin Kb.pl. File ascerecuted?
los	of the die of the all the state of the state
$\dot{-}$	Code Joves (vincent, mia).
2	(s.) bues (marrellus, mia) suntal
$T_{\mathbb{Z}}$	TOWN Pumpkin, honey-bunny)
7	loves (honey-bunny pumkin)
- (2.5	: 7057- 15traggara 3 vika 17-12 2000 1167-
	jedous (x, y)? bos parom In
	loves (x,z).
	loves (Y,z)
GA Gal	Query: ? - loves (x,mia)
	output: X=vincent
	X = Marcellus
	Explanation: Here as as we know Vincent loves
	rija as well as Marrellus loves mia. Thus
	Kb assumes that x is either vincent or
	Marcellus
	Query 2: ? - jealous (X,Y)
	output X=Y, X = vincent
	X = Vincent
	Y= Marcellus
	X= Marcellus
	X=Y,7=Marcellus
	X= Y, Y = pumpkin
	X = Y, Y = Honey - bunny.
1812	A = 1, 1 11(1) 3 = 5 (1)

Explanation As there is no fixed parameters in every jealous (X, Y) pais on our prolog code Jealous ()' rule follows: jealous (X,Y): loves (X,Z), loves (Y,Z). so Tortialy, X & y both were associated to vincentile: self-association. it then Follows Reflexive property for rest (01mx) 29101 - 9 : 100100 (3) transive X itaritura Suni faquail/ waxi sur com gxati materniax a 117 nim saust - 1/19 months an 11911, 210 miles Sig housand radhis si y tooth samueso de (x1x) punting Hogsain - V Y - X tagsaiv = X Sulla month = A 2011/25 SMATT =X 57/100000 - K. K. = X. MERGORIO - PY -X

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5/	POLINI / POLINI
12.	How does queries in lists.pl File are executed
	crees queries in lists of the
* 13. + T	es cure
15.	Suffix (ode: Suffix (xs, ys) append (-, ys, xs).
	append (= 15xc)
4	append (-, is xs).
CAN TO A	Prefix (XS, 45):
	append (Y.S, e, XS)
	CAPTONIC (13/8 , AS)
	Sublist (XS, YS):-
	Suffix (XS, 2s),
	Darith (NJ, ES),
	perorev [[][]).
n A A ne S a ne se	DEGA [[HI TO] L]:
	n rev (to t)
	append (T, [H] L)
	Query 1: 2 - sublist ([a,b,c,d,e],[c,d]).
	output: True
	Explanation: If elements candd asepseent
	in list a,b,C,d,e then it
	returns trave if not then it
	-seturns false
75 (1955 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1474 - 1	Query 2: 2-suffix ([a,b,c],25).
	artput: $2S = [a,b,c]$
	引起的数型之。
	$ \begin{array}{c} 2S = \begin{bmatrix} C \\ 2S = \end{bmatrix} \end{array} $
	25=17

Ospala in strain of same sach mati Explanation: Suffix in general eliminates
Arount elements from list head
by using suffix proceduse [a',b,C]
elements are removed from a
d'continues until all elements are
removed

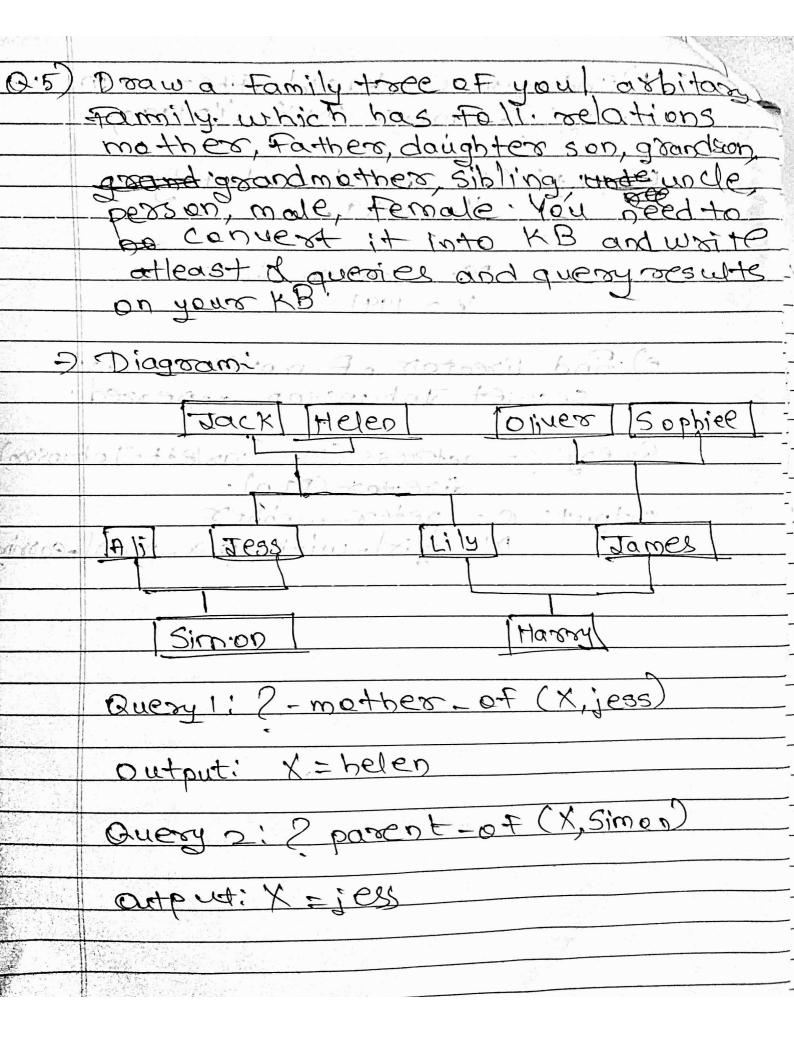
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	quero stroings and results of quero executo for any 5 stasts?
involved:	executy for any 5 stasts?
	1 7 · m] la pontant.
	a. In which year was movie American
10.001	Registre Released
	Query: 2- movie (american-beauty, 1).
37	auery: ?- movie (american-beauty, y).
<u> </u>	b. Find movies released in year 2000
	Output: M= down-from the mountain
راد الحجود سهر	M= 0-brother-whereast-thou M= ghost-word
	1A- G1031-000 C
	C. Final movies released before 2000 Onery: ? - movie (M,Y) / < 2000
	Que su: ? - movie (m, r) / < 2000
	notout: M- american beauty
	Y = 1999
	177 = 2000
	Y=1987
	m= barton-fink
	y - 1991
	and hefore 2000.
	d. Find mouierreleased before 2000.
	1 1 m b) 41 200 P
	Query: 2 - mouse (101,0)
	Catpyt: MZ ar

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DATE / / / STA d) find mouses released after 1990 Query: ?- movie (M,Y), Y21990, Dutput: M= an exican-beauty Pastan-Fink Y= 1991 e) find director of movie in which scorlet Johansson appeared. Query: ? - actrocss (m; scarlett-Iohansson) disector (M,0). output: 0 = peter-webber (2001, X) 7-0 - resolven - Silver remiex) for fascing Sic Emiles



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Query 3: ? - sis	tex of (x, lily)
Output: X-jes	
-	1807 - 07 (X, ho ory)
Output: X= 1il	<u></u>
$X = \int C$	in el
Que & 5: 7- aus	+-of(x,simon
· Output: X= Lily	
Query 6: ? great	dfather of (x, hassy)-
Output: X = Jack	