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	Prolog Programming Assignment
4	How does the queries in kb. Pl file are executed
	(ode: loves (uincent, mia). loves (marcellus, mia) loves (pumpkin, honey bunny) loves (boncy - bunny, pumkin)
	jeabus (x,y):- loves (x,z), loves (y,z).
	query 1: ? - loves (x, mia) Ole: x = vin(ent
	Explanation: Here as we know vincent loves mia as well as marcellus loves mia. Thus the kb assumes that xis either whent or marcellus.
The second secon	every ?: -? je alous (x, y). olp x = y, x = vin (ent y = marcellous x = marcellous x = x, y = marcellus
	Explahion Ar there is no fixed parametery in our query.

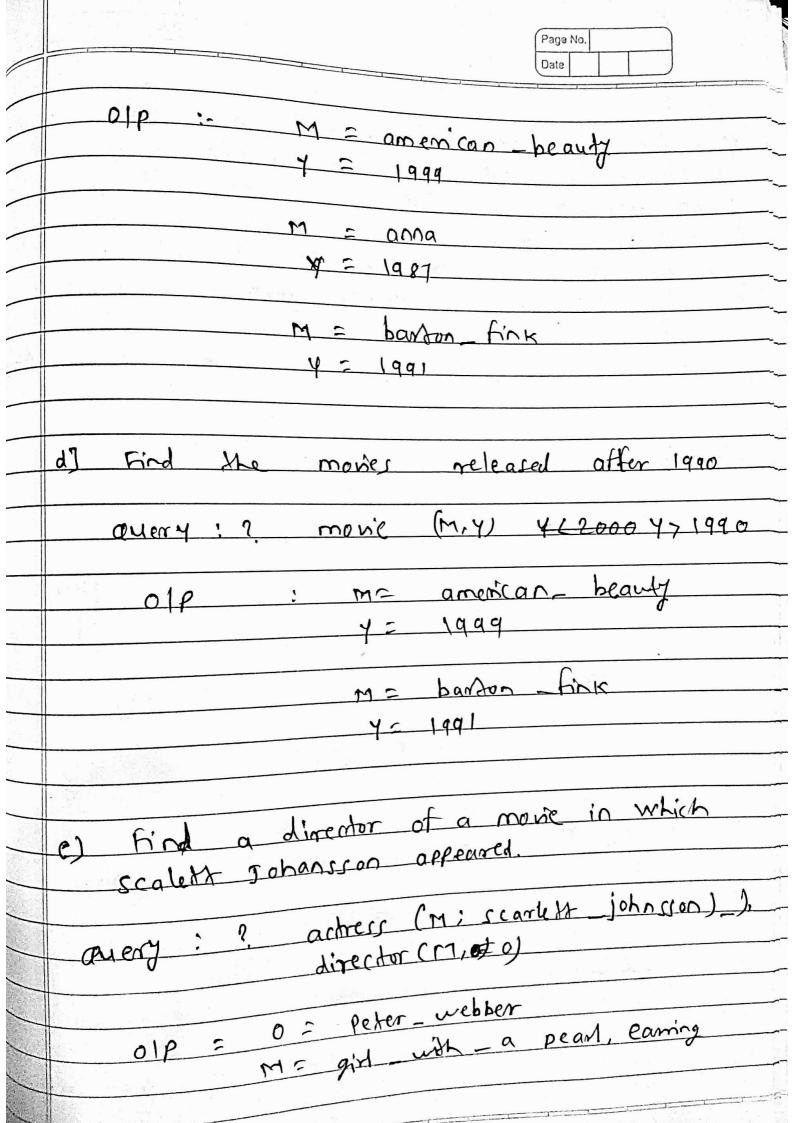
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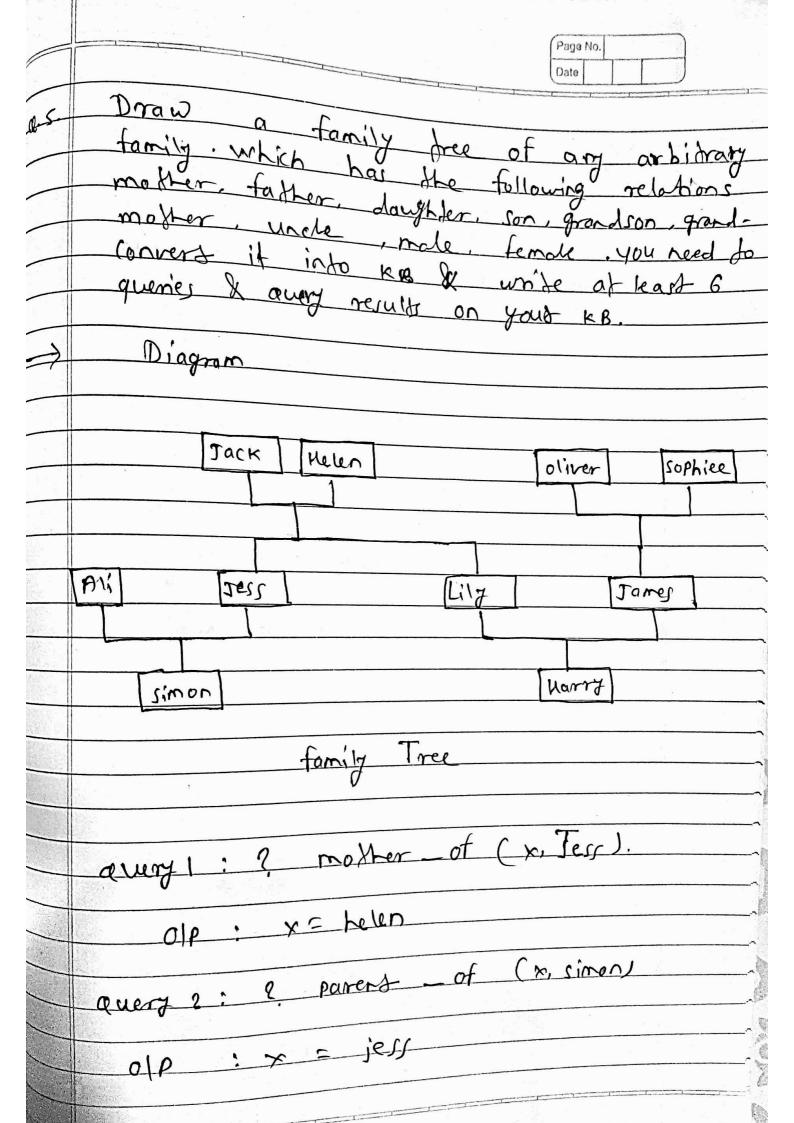
	The guery will a
	jealous (x,y) produce of query every
	jealous (x,y) pair on our prolog code. The
	jealous () role follows jealous (x, y):-loves
	(x, z), loves (y,z).
	initially most
	initially x and y both were associated to
	Selt according to the tollows
	property for the next of the prolog
	rode.
23	110.7 1 00 14
2)	Mow does the quoies in lists. p. 1 file are
	enécuted?
	code: suffix (xs, ys);
	append (-, ys, xs).
54	append (-, 45, x3).
, F	Prefix (xs, ys):-
	append (YS, -, xs)
	(24,2x) fildur
	with (xs.12)
Diam.	SUM (X) /Z/
	prefix (25145)
	D rev (C], (3)
	2 DEK ([H[] 0], U
$\searrow \downarrow$	Nyer (TO,T)
	Niver (H) 1)
12.11	append (T,CHJ,L)
	overy 1 · ? - sublist (ca, b, c, de, e], (c, d))
	sublist (La, b, c, a, e), (c, a).
	query: ? -
	Olp -

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	Explanation :- A sublist procedure looks for an
	match bet " the 1st eliments of the sub-list
	& the main-list here, (c,d) is the sub-list
	of the main list (a, b, c, d, e). As the main
	list containts the subject cody, he object
	frue . Else, the olf woold have been folse.
	query 2: ? suffid ((a,b,c), 25)
	V
	Olp: - 25 = Ca, b, c)
	25 = (b,c)
	2s = (c)
	ZS <u>z (</u>]
	false
	cc : and eliminates the
	Explanation: suffix in general eliminater the
	front elements in a character
	using suffix proceduce, (a,b,c) elements are removed from a & and continues until
7	all the elements are removed.
- 1	Programming create a prolog code to find factorial of a number?
03.	Programming (reak a per ?
	factorial of a number
7	tacourse.
	Code: factorial (N.F).
	N 70,
	phis M-1

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	query = ? - factorid (31w)
	0 p:- W=6
04	In examples data set movies pl write query strings & results of query execution for any or 5 tasks:
9)	Beauty released?
3	query:? - movie (american beauty 17)
	0/P:- Y=1999
b)	find the movies released in year 2000
	quez : 1 mont (4,2000)
	of P:- M= down-from-the-mountain M= 0-bratter where are-thow m= ghost-world
J	find movies released before 2000
	query:? movie (m,7), 462000





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Query 3: P sister_of (x, 1:17)
olb: x = jerr
Query 4: 2 - parent of (x, harry)
x = jamer
aungs: 2 - aund of (n. simon)
0/P: x = 1/2
away 6: ? grand to per of (x, harry)
O P = x = jack