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		Prolog Programming Assignment
	1>	How does the queries in kb.Pl Files is executed
	->	
		code!-
		loyes (Vincent, mia).
		loves (marcellus, mia).
0		loves (pumpkin, honey bunny)
		loves (honery-bunny, pumpkin)
		Je alous (X, Y):-
		10 Ves (X,Z),
		loves (Y,Z).
		Query1:- ? -loves (x, mia)
		Output: X - Vincent
		X = Marcellus.
		Explanation :- Here as we know vincent
		loves Mia as well as marcellous
		loves Mia. Thus the kb assumes
		that X is either Vincent or Marcellous

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	Sury 2:-
	? - jealous (x, y).
	· Jealous CA, 4J.
	Output . X = Y, Y = vincent
	X = Vincent
	Y= marcellus
	X = marcellus
	Y = vincent
-	X= Y, Y=marcellus
	X=Y, Y= pumpkin
	X= y, Y=honey-hunny
	Explanation As there is not constant variable
	in own query. The query will produce
	output of every. The query with procedure
	Output of given every jealous (X, 4) pair on our
	prolog code. The jealous () rule follows
	jealous (X,4): - loves (X,Z), loves (Y)Z)
	Initially, X and Y bothe were associated to
	vincent, i.e. self-association. It then follows
	recelexive reflexive property for the rest of
	the prolog (od.
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	2) How does the queries in lists. Pl File are executed?
	> Code:-
	Suffix (Xs, Ys):
	append (_, Ys, Xs)-
	Prefix (Xs, Ys):-
	append (Ys, -, Xs).
-	
	Sublist (XS, YS):-
	Suffix (Xs, Zs).
	Prefix (Zs, Ys).
	nrev([], [])
	nrev(CHITO7, L) :-
	mev(TO,T),
	append(T,[H], L).
	guerys:
	?- sublist ([a, b, c, d, e], [c,d]
	Output: true.
	Explaination: - Sublist is a check to ab availability between the two list.
	A sublist procedure look for a
	match between the first element or sublist
	and the main list. Here [Cad] is the sub-list
	OF the main list [a,b,c,d,e]. As the main list contains
	the sublist [c,d] the output is true. Plse the outpute

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	would have been false
	guery 2 :
	?- Suffix ([a,b,c], zs)
	· oarrix(La,ofC), 25)
	Output: Zs=[a,b,c]
	Zs = [b, c] $Zs = [c]$
	7s = []
	False.
0	
	Explaination: - Suffix in genral eliminates the Front
	elements from a list Here, by using
	Suffix procedure, Ca,b, c] elements are
	removed From a and continues until all the
	elements are removed.
	As there are no more elements in the
	list, the output will be displayed as False.
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		Programing create a Prolog code to find Factorial
	->	of a number?
		Code:-
		Factorial (0, 1).
		Factorial (N,F):-
•		N1 is N-1
		Factorial (N1, F1),
		F is N * F1
		Surry :- 3- Factorial (6, W).
		Output :- W = 720
0		

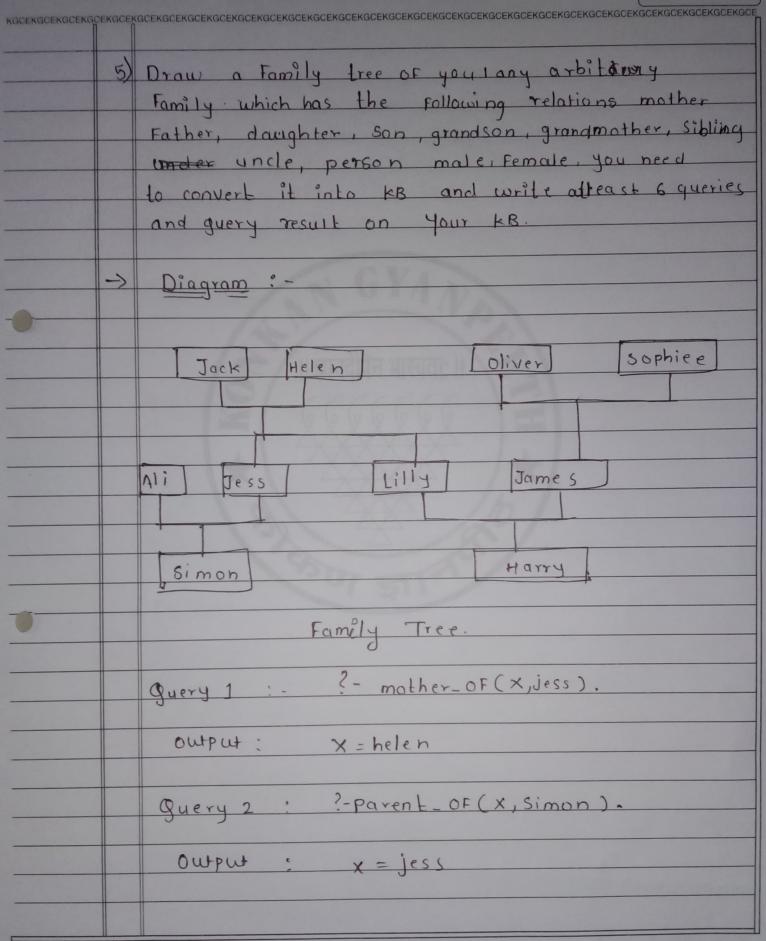
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4)	In example data set movies Pl write query string and result of query execution for any 5 Tasks:
→	b) Find the movies relased in the Year 2020
	Query: ?- movie (M, 2000).
	Output: M= down-From-the-moutain M = 0-brother-where-art-thou M = ghost-world
	a) In which year was the movie American Beauty released?
	guery: ?- movie (american-beauty, y).
0	Output : Y = 1999
	d) find the movies released after 1990
	guery: 3- movie (M, 4), 4>1990.
	Owl put: M= american-beauty Y=1999
	11 = barton - fink Y = 1991

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	C) Find means released before 2000
	guery: ? - movie (M, y), 4<2000.
	Output : M = american-beauty Y = 1999
	M = onna X = 1987
	M = harton-Fink X = 1991
	e) find a director of movie in which scalett Johansson appered.
-0	guery: ?- actress (M, o).
	Owput: 0 = peter = webber M = girl = with = a = pearl = earning

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	guery 3: ?- sister_or (x, lily).
	Output: X = jess
	guery 4 .º ? - parent - OF (x, harry).
	Outport: X = 1ily X = james
	guery 5: ?- aunt-of (x, simon).
	owput: X=1:14
	guery 6: ?- grand father-OF (x, harry).
	output: X= jack