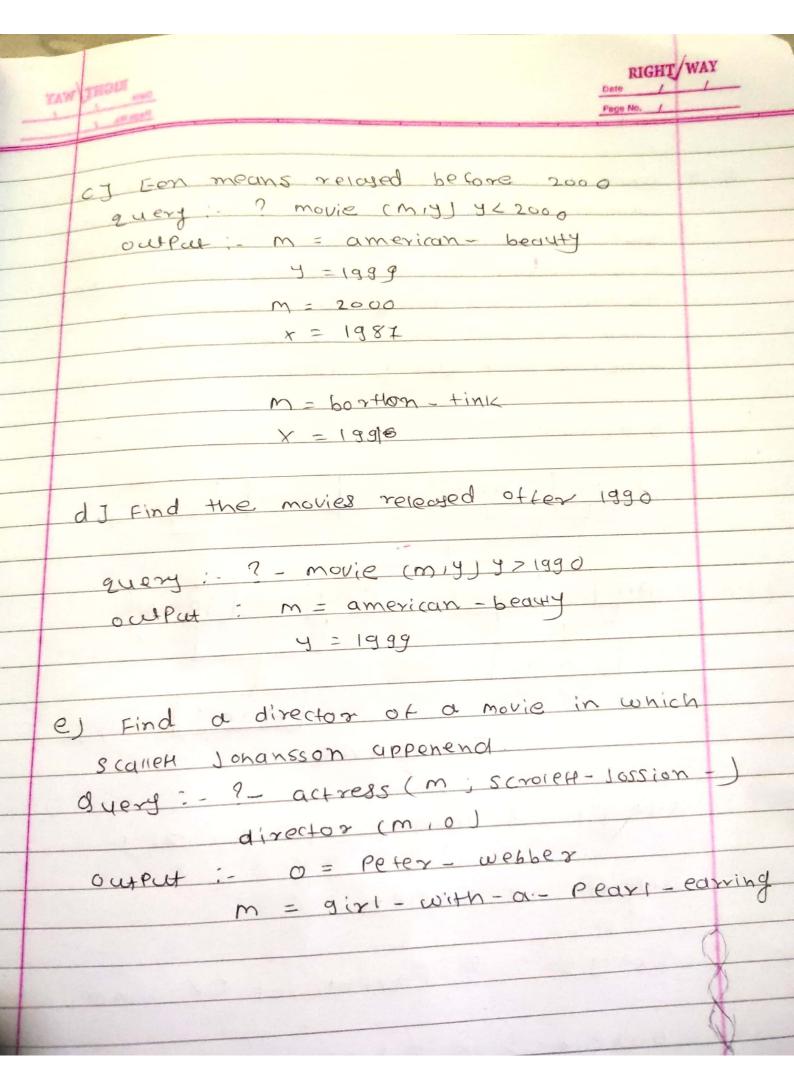
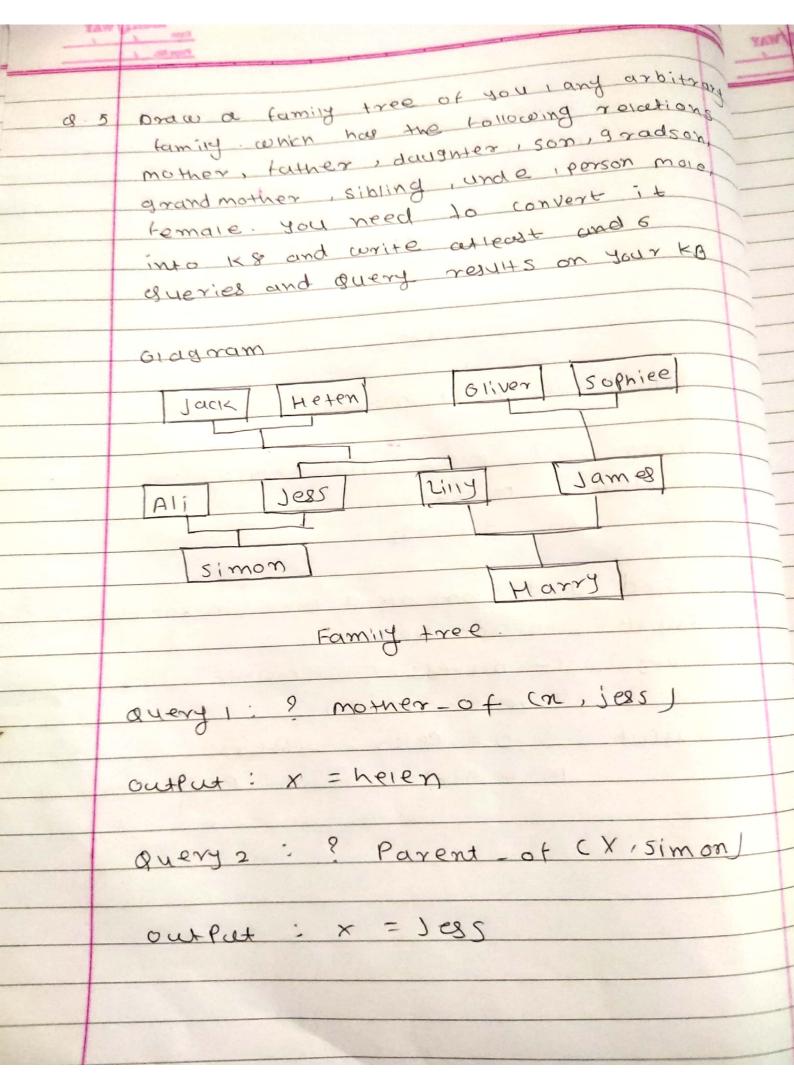
Prolog Programming Assignment Page No. How does the queries in Kb.PI File are executed? code: loves (vincent, mia) Loves (marcellus, mia) loves ( Pumpkin , honey - burny) loves ( honey - bunny , pumpisin) jealous ( xiy):loves (n,z) loves (y, Z) Queryl: ? - loves (nimia) outfut: X = Vincent X = marce 114 Explanation: Here as we know vincent loves mia of well as marcellag lover mia. They the kb agrumes that x is either vincent or marcelley. ? - jealay (niy) Query 2 X = & y/X = Wincend X = uincent y = marcellag X = marcellug x = yx,y = marcellag X = y,y = Pumpkin Y = Y · y = Honey - bonny

TAW THOU Enplanation: As there is no fined parameter in our guest The query will produce output of every. jealous (n, y) pair on our proby code. The realons () rule follows. jedious (ny):-loves (xxx), loves (y,2) initially I and y both wever associated to vincent lie self. association. It then follows reclexive property for the rest of the prology code. How does the gueries in lists pl are executed ? code: suffin (ns 195):append (-, ys, xs). Pretin (ns, ys):append [ys, - xs] sublist cas 1351; suffin (ns, 25) prefin (25 145) nrev ([],[]) nrev ( [H ITOJ IL). norev (TO ,T) append (TCMJ.L) query 1: ? - Sublist ([aibicidie], [cid])

	Page No.
	A set out
	code to Fi
08	9 Programming create a prolog code to find
	factorial of a number?
	> code: factorial (0,1)
	tactorial (N,F):-
	N) 0,
	N, is N-1
	factorial (N, F1),
	N is N FI
	N is N FI
	IV 15 IV
	Every: ? factorial (3,0)
	Early. Macharia Co.
	outfut : w = 6
0.1.	In enamples data set movies pt write
5 9	query strings and results of Every eneccetion
	for any of 5 tagks.
a	In which year was the move American
	Beauty released?
	query: ? - movie (american body)
	out Put : y = 1999
1	Find the moves relayed in year 2000
5	
	guery = - 9 - movie (m. 2000)
	m = down - from - the - mountain
	m = 0 - brother - where art





RIGHT Date	/WAY	
Page No. /		
Query 3: ? - sister of calliy		
output: V = jegs		
guerg 4: ? - Parent - of (n charry	)	
output: X = 1ing X = James		
guery 5: ? - aunt - o + cn simon		
outlet = x = 1'11y		
guery 6: ? grand tather-of Cn	, har	ryj
Output : X = Sock		