	Perolog programming Assignment
1)	
	How doll the queries on Kb. pl File are
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Code : lows (wines t
	Code: loues (uincent, mia).
•	loues (Pumpkin, honey burny) loues (honey burny, pumpkin)
	V. Odania
	jealous (x,y):
	loues (y,z).
	Output: X=Vincent
	X=Marcellus
	Explanation: Here as we know vincent loves Mia as
	Well as Marcellus loves Mia. Thus the Kb assumes that X & Effer Vincent or
	Marcellus.
	Query 2: 8-i colons (x,y)
	Output: X= Y, Y - Vincent
	X = Vincent Y = May cellus
	X = Marcellus
	x = y, y = Magicellous

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X=Y,Y=Pumpkin x=4,4= Honey, burny Explanation: As there is no fixed parameter in our query. The query will phoduce output of curry jealous (x, y) Part on out puolog coole. The Fealous O' suile follows: Jealous (x, y):-loves (x, z), loves (y, z). Initally, X and Y both whe associated to vincent, i.e. Self association: It then follows Reflexive perspectly for the rest of the puolog Code 2. How does the guesses in lists. Pl file are executed? > Code :-Suffix (xs, ys):-append (-, ys, xs)-Plufix (xs, ys) append (4s, -, xs) Suffer (XS, ZS) Prefix (ZS, YS) Men (C), []) New (CH) TO], L]:-N48V (TO, T), (Sundaram) FOR EDUCATIONAL USE

3 Sublist ([9,b,C,d,e], [c,d]) Exploration: If elements C and d are present in the list [a,b,C,d,e] then it returns true if not then it returns true if 25 = [b/c] Explanation: Suffix in general climinates the first clement from the list with the list & compty. As there are no more cloments in the list, the output will be displayed as 'false'. 3. Create a prolog code to find factorial of a > Factorial (0,1) Factorial (N,F) N1 15 N-1 Factorial (N1, F1)

FB NXF1 Query : ? - Factoreal (3, w) Output: W=6 4. In Complex data Set movies pl write gulry strings and results of query execution for any of 5 tasks. De desert 9 par mas the monie American Beauty July & 9 - movie (american beauty, 4) Output & 7 = 1999 b. Find moures heleased in year 2000 they =?-movie (M, 2000) Autout 3 M= down-from the mountain M = 0 - buther where art thou M=ghost_world Cfind maries released before 2000 Query ?? movie (M, 4), y < 2000 Output: M = ambrican beauty y=1999 M = anna Y = 1987 M = barton - Fink FOR EDUCATIONAL USE Sundaram)

d. Find the movies eveleased after 1990. output : M = american beauty, M = barton - fink, 4 = 1991 --- 1 E. Find a director of a movie in which Starlett Overy: ?- actiess (M, Scarlet Johnson -) director (M,D) Outfut: D- Peter _ webber, M= gill_with_a pearl earning 5. Draw a famely tree of you lang abitrary barnily. Which has the following relations mother, father, daughter. Son, grandson, grand mother, Sibling, uncle, person, male, female. You need to convert it into KB and write atteast 6 gulries and query subutts on your KB Heten Jess Simon (Sundaram)

Only 1: ?-mother-of (x, jess. Query 2 : ? parent - of (x, Simon, output : x = jess Judy 3 = ?-Sister of (p, lify. Dubry 43 ?-parent-of (x, havey, output : x = lify
x = James July 5 : {-aunt-of (x, Simon) July 6 : E-grand father of (x-harry output & X-jack. (Sundaram) FOR EDUCATIONAL USE