- K.G	A.C.E Raigad AI	Prolog Programing	Assian ment.	Page No. :
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AI Prolog Programming Asignment

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KGCEKGCEKGCE	KGCEKG	CENGCENGCENGCENGCENGCENGCENGCENGCENGCENG
	2.17	How does the guarine of 11 -1 11 - 1 - 1 - 1 - 2
	->	How does the gueries in Kb-pl file are executed?
		The tage
		loves (vincent, mia).
		loves (mancellus, mia).
and the second s		loves (pump Kin, honey bunny).
		loves (honey bunny, pumpkin).
		The state of the s
	1	jealous (x, y):-
		(oves (x, 2),
		loves (y 2)
	-	
		Overy (x mia)
		O/p : x = Vincent
		y = man cellus
		Explanation: Hene as we know Vincent love mia as
		well as man cellus also loves mig. Thus the Kb
		assumes that x is either vincent on mancellus
	Q·2>	How does the gueries in list-pl file are executed?
	→	Code: Suffix (XS, Ys):-
		append (_, Ys, xs).
- +		Profix (xs, ys):-
		append (Ys, Xs).
		Sublist (xs, ys): -
		Suffix (X5, Z5) Profix (Z5, Y5)

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47 /	hnev (CJ CJ).
	hner ([H][To] L):-
	hnev (To, T)
	append (T, [H], L).
	Query 1: ? - Sublist ([a, b, c,d, e], [c,d])
	O/p : True
	CV 1
	Explanation: A sublist procedure works for a match
	below between the first elements of the sublist 4 main list
	Hene LC, a) is the sublish of the main list (a, b c, d, e)
	As the main list contains the sublist the 90 is true
	Else the Olp would have been false.
	Queny 2: ? - sublist (a, b, c)d, e7, yod. ([a, b, c), 25)
	O/P : $Z_5 = [a, b, c]$, $Z_5 = [b, c]$, $Z_5 = [c]$, $Z_5 = [c]$
· · · · · · · · · · · · · · · · · · ·	
-	Explanation: Suffix in general eliminates front values from
	a list. Here by using suffix procedure are nemoved
77	from front.
0.7)	Programme a Prolon colo 1. C. I C. I
	Prag (reate a Prolog code to find factorial of a number?
	Just of the contract of the co
	factorial (N, F): -
	N > 0,
	N_1 is N_{-1}
	factorial (N, F,)
	Fis N . Fl.

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GCEKGCEKGCE	KGCEKGCEKG	GCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEKGCEK
	-	
1 1 -		Queny: 1- Ratonial (5, w)
		0/P: W=6
Section 1		
	Q.4>	In examples data set movies of write query strings
		and nesults of query execution for any of 5 tasks:
	a)	and results of query execution for any of 5 tasks: In which year was the movie American Beauty released? Query: ?-movie (american beauty y)
16	->	Eveny 2-movie (amenican - beauty 4)
		Olp: Y= 1999.
7	b)	Find the movies released in the year 2000.
1	6/	Query: 2 - movie (m. 2000)
		O/p: M = Queen - from - the - mountain.
-		m = 0-bnothen - where - ant - thou.
	1	m = Ghost-bound.
		111 - 1705 E - 5007 a
1		511 July 1 Lelone 7000
	()	Find movies released before 2000
-	7	Queny: ? - movie (m, y), y < 2000
1		O/p : m = amenican - beauty.
Ď.		y = 1999
<u> </u>		m = ahn a
111.7.	1 1 2	y = 1987
		m = bottom - Bink
		y = 1991
1, -11,	2 3	CONTRACTOR AND ADDRESS OF TAXABLE PROPERTY OF
	d)	Find the movies released after 1990.
	->	Queny: ? - movie (m,y), /> 1990.
1000		0/p = n = amenican - beauty y = 1999
- 1		n = bottom - pink , y = 1991.
- <u> </u>		р

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وع ا	Find a dispector of a movie in which Scanlett Johonsson
-7	queny: ? - adress (miss - Scanlett - Tohansson), dinecton (m, 0)
	olp: 0= peten webben.
	m = ginl with - 9 - peanl eantileg.
g·2>	Draw a family tree of you lany arbitrary family. Which has following relations mother, father, daughter, son,
	grandson grand mother, sibling uncle person, male, female. You need to convert it into KB 4 write
7	ofte atleast 6 quenies & Queny negults on your Kb.
	Otte atleast 6 quenies & Queny negults on your Kb. Diagnom: Jack Helen Oliven Saphice
1	[ALI] [Jess] [Lily] [James]
1	Simon Hanny Family Tree
17	Greny 1: ? - mother - of (x, Tess) Greny 4: ? - father of (x, James)
	Greny 1: (-mother-of (x, Tess) Greny 4:?-father of (x, James) O/p: He X = Helen. O/p: X = Oliver
	Overy 2: ? - panent of (x, Simon) Overy 5: ? - panent of (x, Harmy) O/p: X = Jess, X = Al; O/p: X = James, X = Lily
The second secon	the first the fi
	Overy 3: ? - Sisten of (x, Lily) Query 6:? - son of (x, Saphice) O/p: x = Jess O/p: x = James.
A Company	