K.G.C.E. Karjat - Raigad

Prolog Programming Assig

Assignm ent

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| Name: Tejal Pratap | |
| closs : BE/IT | |
| Batch : I, | |
| ROII NO 17 | |
| Subject: ISLAB | |
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| How does the queries in kb-pl file are |
|--|
| executed & the drawn in yp-bi are are |
| loves (vincent mia) loves (marcellus mia) loves (pumpkin honey - bunny) loves (baney - bunny pumpkin) jealous (x, y) - loves (x, z) |
| avery 1'? lover (x, mia) Butput : x = vincent x = marcellus Explaination : Here as we know vincent loves Mia as well as Marcellus lovers mia. |
| Thus the the assumes that x is either vincept or marcellus. Querry ?: ? Jeolaus (x,y) output : x = y , x = vincent x = vincent x = maxcellux x = y , y = marcellus x = y , y = pumplin x = y , y = Honey - bunny |
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| GCERGCERGOLING | Explaintation: At these is no fixed parameter |
| | 1 A and |
| | the guery will produce askput of every jeolow |
| | The gury will produce some the |
| | (X,Y) pair on our prolog code The |
| | Jeolous (x, y): lovers (x,z) lovers (y,z) |
| | initially / x and y both were a stociated |
| | to uni vincent, ie, self-avociation it |
| | to und uncent the service amore the |
| | then Follows relaxive property for the |
| | set of the prolog code. |
| | |
| | Loke of an executed |
| 82. | How dow the gueries in lists of an executed |
| | |
| -> | code · suffix (xs. ys):- |
| | append (-, 45, xs). |
| | |
| | Prefix (X8, Ys):- |
| | append (45, -, xs) |
| | |
| | Sublist (xg, ys):- |
| | Suffix (XS,ZS) |
| | prefix (25, 45) |
| | . 57 57 |
| | norev (E), []) |
| | |
| | mrev (TO, T) |
| | append (T, [H], L) |
| | |
| | |

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| 63. | | Programming make a brolog code to find fuchame |
| | | Code: fuctorial (0,1); fuctorial (N, f):- N>0 N, 15 N-1 fuctorial (N, f) N 15 N * F! Overay: 9 - fuctorial (3, w). |
| | | |
| 94, | 0) | In examples data set movies pl write query stoings and revite of query execution for any of r tasks. In which year was the movie American Beauty |
| | | Query: 9 - marie (american - beauty 14) |
| | | output: y = 1999. |
| | 5) | Find the movies released in year 2000 avery: novie (M,2000) |
| | | output! m = down-from-the-mountain |

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| M | MOCENOCENGCENGCENGCENGCENGCENGCENGCENGCENGCENG | Date: |
| 1 | A L LI | ENGCENGCENGCENGCENGCENGC |
| The state of the s | a brother world | |
| | | rt than |
| 1 00 En | d meta | THE STATE OF THE S |
| 1 | means. sal | |
| grass | d means released before | 0 |
| - and | is = moris (W. A) | 2000 |
| 1 | 31/0/16 | |
| output | Ma ame | 52000 |
| | american | |
| | 4 1999 beauty | |
| | 100 | |
| | TU = abb | |
| | X = 1982 | |
| | 1 | |
| | M= bank | |
| | M = barton - Fink Y = 1991 | |
| | | |
| a) F | ind the movies | 1 |
| | ind the movies selected | after 1990 |
| Que | sy + 9 maria | |
| | sy + 9 movie (M,Y), | Y 71990 |
| outpu | et - M = angrican - begu | |
| , | 7 = 1999 | ity |
| | 1999 | |
| | IVI a horter a h | |
| | N = 1201 - tak | |
| | 1 = 1991 | |
| (8) | Find a discharge | |
| 9 | Find a director of a | move in which |
| | January on appea | 1160 |

and

Page No. K.G.C.E. Karjat - Raigad · actress (Mr scarlet - Johnsson m = girl with - a , peant AJ Donw a family tree of you any arbitury 05. family who which has the following relation mother , father , daughter , son , grandson , grandmothers, sibling unde, person, male, female need to convert it into ke and rife at least 6 queries an result on your kB Diagram Jack Helen Oliver Sophiee Ali Lily Jess Jamos Simon Horry Family Tree

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| ENGCENG ENGCENGCENGCENGCENGCENGCENGCENGCENGCENGC | Date: Date: |
| avery 1 2 mother | |
| output : X = helen | |
| avory 2 ? posent- | of (x, simon) |
| output: X = jess | |
| Broom 3. 9. sister o | of ex, lily) |
| output x = jess | |
| avery 4: 1 - parent | - of (x, horry) |
| output x = lity x = james | 1/2 |
| avery 5 9 - aunt- | of (x simon) |
| output : x = lily | |
| avery 5. 9, goard to | ther - of (x, horry) |
| output: X = jack | |
| | |
| | |
| | |