Name – Khushal Kumar Singh

Course No. - COMP 3005

ASSIGNMENT – 5

PART 1

1. Mini World -

2. Data Model -

3. Database System -

4. Domain -

5. Relational Model -

6. Attribute -

7. Relation -

8. Primary Key -

9. Logical Data Independence -

10.SQL -

PART 2

1. Get the names of hobbies that “lastname” plays.

A1) Select H.Name from Hobby H, Play P, Person P1 where H.H# = P.H# and P.P# = P1.P# and P1.Name = ‘Lastname’;

1. Get the names of persons who play Bowling.

A2) Select DISTINCT P.Name from Person P, Hobby H, Play P1 where H.Name = ‘Bowling’ and P1.H# = H.H# and P.P# = P1.P# ;

1. Get the names of persons who play a hobby more than 3 times.

A3) Select P.Name from Person P, Play L where L.Times > 3 and P.P# = L.P# ;

1. Get the names of persons who play either chess or dancing.

A4) Select P.Name from Person P, Play L, Hobby H where H.Name = ‘Chess’ or H.Name = ‘Dancing’ and L.H# = H.H# and P.P# = L.P# ;

1. Get the names of persons who play both chess and dancing.

A5) Select P.Name from Person P, Play L, Hobby H where H.Name = ‘Chess’ and H.Name = ‘Dancing’ and L.H# = H.H# and P.P# = L.P# ;

1. Get the person name/hobby name pairs such that the indicated person plays the indicated hobby.

A6) Select P.Name , H.Name from Person P, Play L, Hobby H

1. Get the names of persons who do not play Ski.
2. Get the names of persons who do not play any hobby.
3. Get the names of persons who play all hobbies.
4. Get the names of persons who play all hobbies that “lastname” plays.
5. Get the names of persons who play only all the hobbies that “lastname” plays.
6. Get the names of persons who play all hobbies except Skating and Ski.
7. Get the names of persons who play hobbies, the number of hobbies and total number of times they play those hobbies.
8. Get the names of persons who play hobbies but play the least number of hobbies.