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| 1. | a. Create the Tournament table as per information below:    b. Sports Craft Company has organized tournaments in multiple individual sports and invited top ranked players to play. Each tournament comprises multiple matches in knock out format. Each match is played between two players.    (CO1-K3) (5+5) |
| 2. | a. Create Match table as per details below. A player cannot play against himself, so player1 should not be equal to player2.    b. Add ‘MatchesPlayed’, ‘MatchesWon’ columns of type NUMBER to Match table.  (CO1-K3) (5+5) |
| 3. | a. Rex, a librarian wants to automate the book transactions(borrowing and returning) in his library. Here is the structure and rules for the book table that has been designed.   * Unique book id which consists of six alphanumeric characters and starts with B * The book Title does not exceed 50 characters * The name of the author does not exceed 20 characters * Genre belongs to one of Mystery or Thriller * Year of publication of the book   A table has to be created to store the details. Can you help with the creation of the table as per Rex’s requirement.  b. Modify the Supplier table to store the supplier city. The column name should be city and it can have maximum of 10 Character    (CO1-K3) (5+5) |
| 4. | From the given table, write an SQL Query to answer the following questions    a. Modify datatype of PName to VARCHAR2(50) in Player table.  b. Drop Column ‘ContactNo’ from table Player.  c. Rename Column ‘PID’ to ‘PlayerId’ in table player.  d. Add Column ‘MatchesWon’ of type NUMBER in table player.  (CO1-K3) (10) |
| 5. | a. Create the shopper table with appropriate data types for the attributes described below.    b. Alter the table shopper to change the data type of mobile number from NUMBER to VARCHAR2. Mobile number can have a maximum length of 15 Characters.  c. Rename Column ‘MobileNo’ to ‘Mobile’ in Shopper table.  (CO1-K3) (10) |
| 6. | Given this information, write a SQL script to answer the following questions:  EMP table    JOB Table    a. write the SQL code that will create the table structures for EMP and JOB.  b. write the SQL statement to add a column STARS(VARCHAR2(5)) to the table JOB.  c. write a select statement to display the constraints you created.  d. Write a SQL script to delete the two tables that you have created in first query.  (CO1-K3) (10) |
| 7. | (CO1-K3) (10) |
| 8. | a. Create the Bill table as per specification below    b. Modify the bill table to store the Bill Tax. The column name should be tax and the data type should be an number.  c. Rename Column ‘Amount’ to ‘BillAmount’ in Bill table. (CO1-K3) (10) |
| 9. | Given the Car table, write a SQL script to answer the following questions:    a.Write a SQL statement to copy the content of the above Car table into the new table Car\_Details  b.Write a SQL Query to copy only the record of those cars whose color is black into the new table Car\_Details1.  c. Rename Column ‘Car Color’ to ‘Color’ in car table.  d. Modify the Car Name width to 25 in car table.  (CO1-K3) (10) |
| 10. | Write SQL Queries for the following:  Constraints:  1. Add unique constraint to title in books table  2. Add not null constraint to price in books table  3. Alter not null constraint in price attribute in books  table and set the check constraint so that value is  greater than 0.0  4. Drop not null constraint for qty in books table    Write SQL Queries for the following:Constraints:  a. Add unique constraint to title in books table  b. Add not null constraint to price in books table  c. Alter not null constraint in price attribute in bookstable and set the check constraint so that value isgreater than 0.04.  d. Drop not null constraint for qty in books table.  e. Set a default value of qty in books table as 0  (CO1-K3) (10) |