Day wise Assignment Questions

**Note: -**

1. The tables that are mentioned in the questions for the references are available in the classic model database.

2. In the questions, if they specifically mention to create the tables, then you need to create the tables as per given specifications.

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| **Day 1**  No questions |
| **Day 2**  No questions |
| **Day 3**   1. Show customer number, customer name, state and credit limit from customers table for below conditions. Sort the results by highest to lowest values of creditLimit.  * State should not contain null values * credit limit should be between 50000 and 100000   **Expected output:**     1. Show the unique productline values containing the word cars at the end from products table.   **Expected output:**    **Day 4**   1. Show the orderNumber, status and comments from orders table for shipped status only. If some comments are having null values then show them as “-“.   **Expected output:**     1. Select employee number, first name, job title and job title abbreviation from employees table based on following conditions.   If job title is one among the below conditions, then job title abbreviation column should show below forms.   * President then “P” * Sales Manager / Sale Manager then “SM” * Sales Rep then “SR” * Containing VP word then “VP”   **Expected output:** |
| **Day 5:**   1. For every year, find the minimum amount value from payments table.   **Expected output:**     1. For every year and every quarter, find the unique customers and total orders from orders table. Make sure to show the quarter as Q1,Q2 etc.   **Expected output:**       1. Show the formatted amount in thousands unit (e.g. 500K, 465K etc.) for every month (e.g. Jan, Feb etc.) with filter on total amount as 500000 to 1000000. Sort the output by total amount in descending mode. [ Refer. Payments Table]   **Expected output:** |
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**Day 6:**

1. Create a journey table with following fields and constraints.

* Bus\_ID (No null values)
* Bus\_Name (No null values)
* Source\_Station (No null values)
* Destination (No null values)
* Email (must not contain any duplicates)

1. Create vendor table with following fields and constraints.

* Vendor\_ID (Should not contain any duplicates and should not be null)
* Name (No null values)
* Email (must not contain any duplicates)
* Country (If no data is available then it should be shown as “N/A”)

1. Create movies table with following fields and constraints.

* Movie\_ID (Should not contain any duplicates and should not be null)
* Name (No null values)
* Release\_Year (If no data is available then it should be shown as “-”)
* Cast (No null values)
* Gender (Either Male/Female)
* No\_of\_shows (Must be a positive number)

1. Create the following tables. Use auto increment wherever applicable

a. Product

* product\_id - primary key
* product\_name - cannot be null and only unique values are allowed
* description
* supplier\_id - foreign key of supplier table

b. Suppliers

* + supplier\_id - primary key
  + supplier\_name
  + location

c. Stock

* + id - primary key
  + product\_id - foreign key of product table
  + balance\_stock