



BAHRIA UNIVERSITY ISLAMABAD

Database Management Systems Lab (CS DEPT)

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Quiz 2

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Create a sample table called Customers with the following columns:

- CustomerID (int): Unique identifier for each customer
- CustomerName (nvarchar(50)): Name of the customer
- PhoneNumber (nvarchar(20)): Customer's phone number (including special characters)
- PurchaseAmount (decimal(10,2)): Amount spent by the customer on their last purchase
- Date of Birth

Tasks:

1. Names contain titles like 'Mr.', 'Ms.', or 'Dr.' in the Customer Name. Extract that from the columns of Customer Name.

```
Select SUBSTRING(CustomerName,1,3) AS 'Title' FROM Customers;
```

	Title
1	Mr.
2	Mr.
3	Mr.
4	Dr.
5	Dr.

2. Round off the Purchase Amount in the table.

```
SELECT PurchaseAmount, ROUND(PurchaseAmount,0) AS 'Purchase Amount Rounded off'  
FROM Customers;
```

	PurchaseAmount	Purchase Amount Rounded off
1	1099.50	1100.00
2	1084.99	1085.00
3	1100.59	1101.00
4	1456.45	1456.00
5	2000.01	2000.00

- Identify and remove duplicate customer names while considering different letter cases (e.g., "John" and "JOHN" should be considered the same).

```
SELECT Distinct CustomerName FROM Customers;
```

	CustomerName
1	Dr.Ahmed Raja
2	Dr.Haris Asghar
3	Mr.Ahsan Ashraf
4	Mr.Ebad Afridi
5	Mr.SAAD AHMAD

- Concatenate CustomerID with CustomerName.

```
SELECT CONCAT(CustomerID, ' ', CustomerName) 'Random' FROM Customers;
```

	Random
1	1 Mr.Saad Ahmad
2	2 Mr.Ebad Afridi
3	3 Mr.Ahsan Ashraf
4	4 Dr.Haris Asghar
5	5 Dr.Ahmed Raja
6	1 Mr.Saad Ahmad
7	2 Mr.Ebad Afridi

- Use DateofBirth to find the difference of age between any two Customers.