**Types of Cursors**

\_\_\_\_\_\_\_\_\_\_\_\_ tables \_\_\_\_\_\_\_

CREATE TABLE customers (

customer\_id int,

customer\_name varchar(255),

customer\_email varchar(255)

);

INSERT INTO customers (customer\_id, customer\_name, customer\_email)VALUES

(1, 'John Smith', 'john.smith@example.com');

(2, 'karam Alim', 'karam@example.com'),

(3, 'Allah Wasaya', 'AllahWasaya@example.com'),

(4, 'Shazad', 'Shazad@example.com')

CREATE TABLE orders (

order\_id int,

order\_date date,

customer\_id int

);

INSERT INTO orders (order\_id, order\_date, customer\_id)

VALUES (1, '2022-01-01', 1);

1. **Forward Cur (For): - Dynamic Cursor**

* **In Forword Cursor :- We can not go on Previous Record**
* **Only Fetch Next 🡪 Work with (For)**

--\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ For \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DECLARE customer\_cursor CURSOR

FOR SELECT \* FROM customers;

OPEN customer\_cursor

fetch next from customer\_cursor

close customer\_cursor

deallocate customer\_cursor

--- error ---

DECLARE customer\_cursor CURSOR

FOR SELECT \* FROM customers;

OPEN customer\_cursor

fetch next from customer\_cursor

fetch next from customer\_cursor

--- PRIOR ---

--fetch PRIOR from customer\_cursor

close customer\_cursor

deallocate customer\_cursor

1. **Scrollable Backward Cur (Scroll For)**

* **In Scrollable Cursor :- we can use All Function of Cursor**

--\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ scrollable \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DECLARE customer\_cursor CURSOR

scroll FOR SELECT \* FROM customers;

OPEN customer\_cursor

fetch next from customer\_cursor

fetch next from customer\_cursor

fetch next from customer\_cursor

fetch PRIOR from customer\_cursor

close customer\_cursor

deallocate customer\_cursor