Institute of Computer And Technology
B.Tech – CSE(BDA)

Name:-Anik Shaikh
Sem:-2
Sub:-Database Management
Enrollment No.:-23162121021
Prac:-1
Date:-29 /7/2024
Practical 1

1. Create database in mysql with your branch name and enrollment number.
   Query:

   create table Client_master (Client_no varchar(10), Name varchar(20), City varchar(20), Pincode int, State varchar(20), Bal_due int);

   Screenshots:-

2. Create table client_master.
Query:

create table Client_master (Client_no varchar(10), Name varchar(20), City varchar(20), Pincode int, State varchar(20), Bal_due int);

Screenshots:-

3. Create table product_master.

Query:

create table Product_master (Product_no varchar(10), Description varchar(20), P_percent varchar(10), U_measure varchar(20), Qty_on_hand int, Reorder_lvl int, sell_price int, Cost_price int);

Screenshot:-

4. Create table Salesman_master.

Query:

create table Salesman_master (S_no varchar(10), S_name varchar(20), City varchar(20), Pin int, State varchar(20), Sal_Amt int, Tgt_to_get int,Ytd_sales int, Reamrks varchar(20));

Screenshot:-

5. Describe structure for client_master table.

query :

desc table client_master;

Screenshot:-

Field	Type	Null	Key	Default	Extra
Client_no	varchar(10)	YES		NULL	
Name	varchar(20)	YES		NULL	
City	varchar(20)	YES		NULL	
Pincode	int	YES		NULL	
State	varchar(20)	YES		NULL	
Bal_due	int	YES		NULL	

6. Describe structure for product_master table. Query: desc table product_master;

Screenshot:-
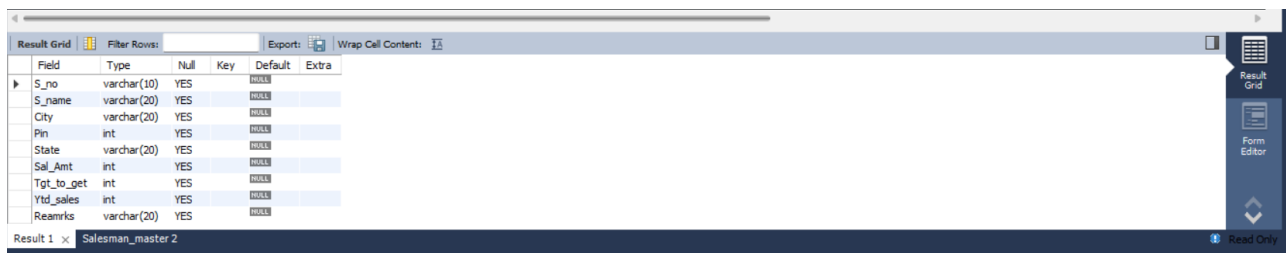
Field	Type	Null	Key	Default	Extra
Product_no	varchar(10)	YES		NULL	
Description	varchar(20)	YES		NULL	
P_percent	varchar(10)	YES		NULL	
U_measure	varchar(20)	YES		NULL	
Qty_on_hand	int	YES		NULL	
Reorder_lvl	int	YES		NULL	
sell_price	int	YES		NULL	
Cost_price	int	YES		NULL	

7. Describe structure for salesman_master table. Query: desc table salesman_master;

Screenshot:-

Field	Type	Null	Key	Default	Extra
S_no	varchar(10)	YES		NULL	
S_name	varchar(20)	YES		NULL	
City	varchar(20)	YES		NULL	
Pin	int	YES		NULL	
State	varchar(20)	YES		NULL	
Sal_Amt	int	YES		NULL	
Tgt_to_get	int	YES		NULL	
Ytd_sales	int	YES		NULL	
Reamrks	varchar(20)	YES		NULL	

8. Insert records in client_master table.

Query:
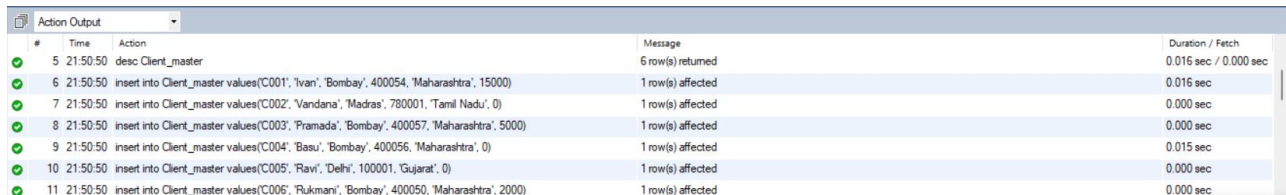
insert into Client_master values('C001', 'Ivan', 'Bombay', 400054, 'Maharashtra', 15000);

insert into Client_master values('C002', 'Vandana', 'Madras', 780001, 'Tamil Nadu', 0);

insert into Client_master values('C003', 'Pramada', 'Bombay', 400057, 'Maharashtra', 5000);

insert into Client_master values('C004', 'Basu', 'Bombay', 400056, 'Maharashtra', 0);

insert into Client_master values('C005', 'Ravi', 'Delhi', 100001, 'Gujarat', 0);

insert into Client_master values('C006', 'Rukmani', 'Bombay', 400050, 'Maharashtra', 2000);

Screenshot:-

Client_no	Name	City	Pincode	State	Bal_due
C001	Ivan	Bombay	400054	Maharashtra	15000
C002	Vandana	Madras	780001	Tamil Nadu	0
C003	Pramada	Bombay	400057	Maharashtra	5000
C004	Basu	Bombay	400056	Maharashtra	0
C005	Ravi	Delhi	100001	Gujarat	0
C006	Rukmani	Bombay	400050	Maharashtra	2000

#	Time	Action	Message	Duration / Fetch
5	21:50:50	desc Client_master	6 row(s) returned	0.016 sec / 0.000 sec
6	21:50:50	insert into Client_master values('C001', 'Ivan', 'Bombay', 400054, 'Maharashtra', 15000)	1 row(s) affected	0.016 sec
7	21:50:50	insert into Client_master values('C002', 'Vandana', 'Madras', 780001, 'Tamil Nadu', 0)	1 row(s) affected	0.000 sec
8	21:50:50	insert into Client_master values('C003', 'Pramada', 'Bombay', 400057, 'Maharashtra', 5000)	1 row(s) affected	0.000 sec
9	21:50:50	insert into Client_master values('C004', 'Basu', 'Bombay', 400056, 'Maharashtra', 0)	1 row(s) affected	0.015 sec
10	21:50:50	insert into Client_master values('C005', 'Ravi', 'Delhi', 100001, 'Gujarat', 0)	1 row(s) affected	0.000 sec
11	21:50:50	insert into Client_master values('C006', 'Rukmani', 'Bombay', 400050, 'Maharashtra', 2000)	1 row(s) affected	0.000 sec

9. Insert records in product_master table.

Query:

insert into Product_master values('P001', 'Floppies', 5, 'Piece', 100, 20, 525, 500);

insert into Product_master values('P002', 'Monitor', 6, 'Piece', 10, 3, 12000, 11280);

insert into Product_master values('P003', 'Mouse', 5, 'Piece', 20, 5, 1050, 1000);

insert into Product_master values('P004', 'Floppies', 5, 'Piece', 100, 20, 525, 1000);

insert into Product_master values('P005', 'Keyboards', 2, 'Piece', 10, 3, 3150, 500);

insert into Product_master values('P006', 'Cd Drive', 2.5, 'Piece', 10, 3, 5250, 3050);

insert into Product_master values('P007', '1.44 Drive', 4, 'Piece', 10, 3, 8400, 8000);

insert into Product_master values('P008', 'This', 4, 'Piece', 0, 3, 8400, 8000);

Screenshot:-

Product_no	Description	P_percent	U_measure	Qty_on_hand	Reorder_lvl	sell_price	Cost_price
P001	Floppies	5	Piece	100	20	525	500
P002	Monitor	6	Piece	10	3	12000	11280
P003	Mouse	5	Piece	20	5	1050	1000
P004	Floppies	5	Piece	100	20	525	1000
P005	Keyboards	2	Piece	10	3	3150	500
P006	Cd Drive	2.5	Piece	10	3	5250	3050
P007	1.44 Drive	4	Piece	10	3	8400	8000
P008	This	4	Piece	0	3	8400	8000

#	Time	Action	Message	Duration / Fetch
18	21:53:42	insert into Product_master values('P001', 'Floppies', 5, 'Piece', 100, 20, 525, 500)	1 row(s) affected	0.000 sec
19	21:53:42	insert into Product_master values('P002', 'Monitor', 6, 'Piece', 10, 3, 12000, 11280)	1 row(s) affected	0.015 sec
20	21:53:42	insert into Product_master values('P003', 'Mouse', 5, 'Piece', 20, 5, 1050, 1000)	1 row(s) affected	0.000 sec
21	21:53:42	insert into Product_master values('P004', 'Floppies', 5, 'Piece', 100, 20, 525, 1000)	1 row(s) affected	0.000 sec
22	21:53:42	insert into Product_master values('P005', 'Keyboards', 2, 'Piece', 10, 3, 3150, 500)	1 row(s) affected	0.000 sec
23	21:53:42	insert into Product_master values('P006', 'Cd Drive', 2.5, 'Piece', 10, 3, 5250, 3050)	1 row(s) affected	0.016 sec
24	21:53:42	insert into Product_master values('P007', '1.44 Drive', 4, 'Piece', 10, 3, 8400, 8000)	1 row(s) affected	0.000 sec

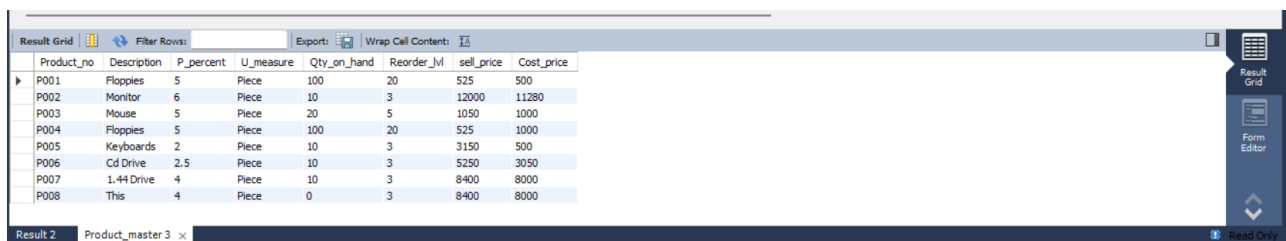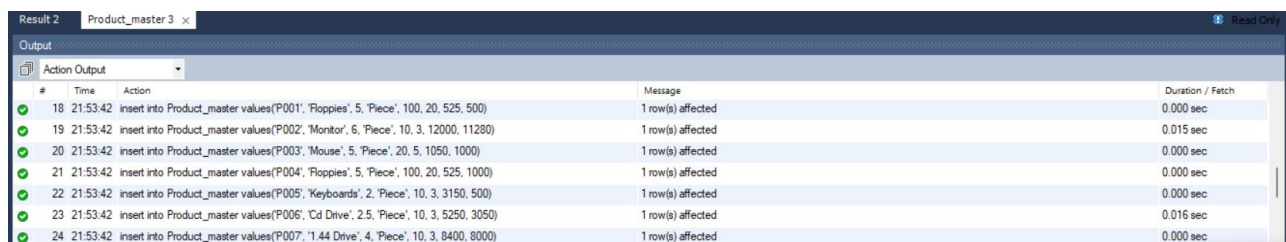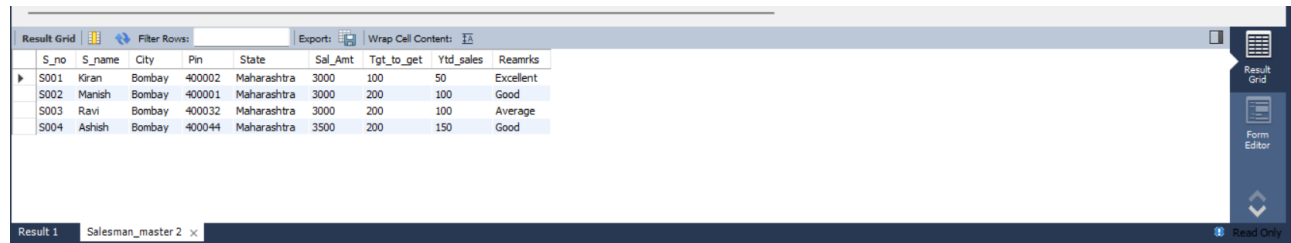# 10. Insert records in salesman_master table.

Query :

insert into Salesman_master values('S001', 'Kiran', 'Bombay', 400002, 'Maharashtra', 3000, 100, 50, 'Excellent');

insert into Salesman_master values('S002', 'Manish', 'Bombay', 400001, 'Maharashtra', 3000, 200, 100, 'Good');

insert into Salesman_master values('S003', 'Ravi', 'Bombay', 400032, 'Maharashtra', 3000, 200, 100, 'Average');

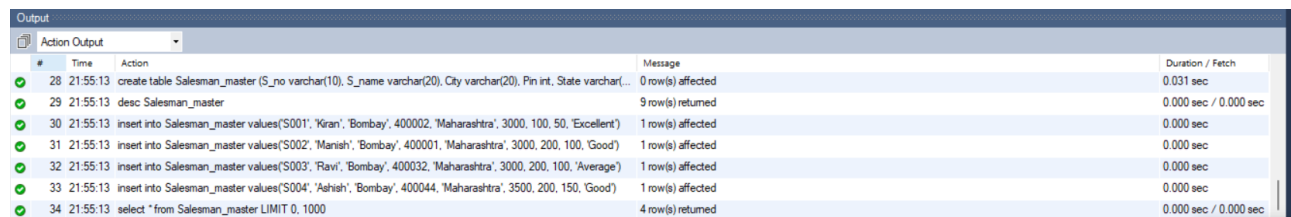insert into Salesman_master values('S004', 'Ashish', 'Bombay', 400044, 'Maharashtra', 3500, 200, 150, 'Good');

Screenshot:-

11. Retrieve all records for client_master table.
Query:-

select * from client_master;

Screenshot:-
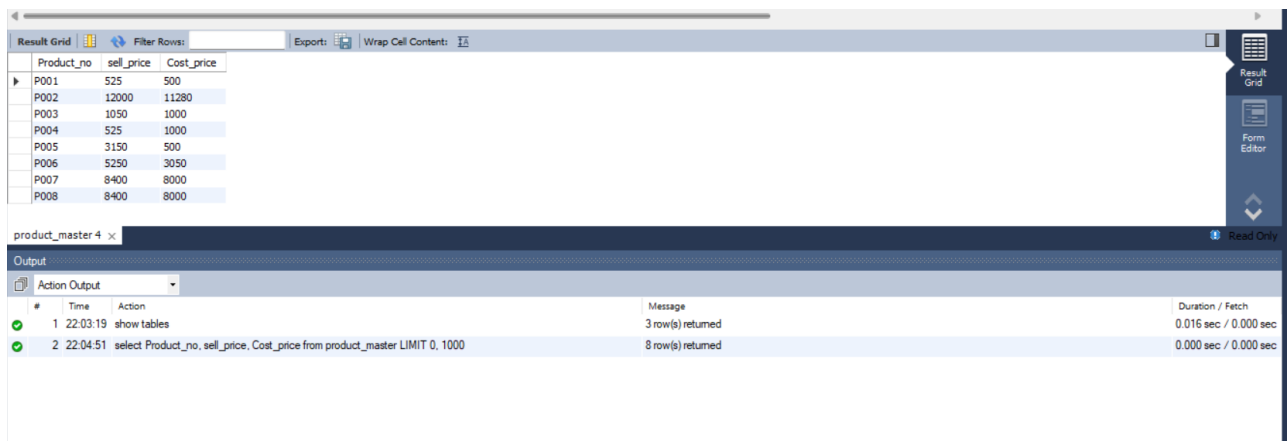
Client_no	Name	City	Pincode	State	Bal_due
C001	Ivan	Bombay	400054	Maharashtra	15000
C002	Vandana	Madras	780001	Tamil Nadu	0
C003	Pramada	Bombay	400057	Maharashtra	5000
C004	Basu	Bombay	400056	Maharashtra	0
C005	Ravi	Delhi	100001	Gujarat	0
C006	Rukmani	Bombay	400050	Maharashtra	2000

Result 4   Result 5   Client_master 6 ×

12. Retrieve product_no, sell_price and cost_price for product_master table

Query: select product_no, sell_price, cost_price from product_master

Screenshot:-

Product_no	sell_price	Cost_price
P001	525	500
P002	12000	11280
P003	1050	1000
P004	525	1000
P005	3150	500
P006	5250	3050
P007	8400	8000
P008	8400	8000

product_master 4 ×

Output
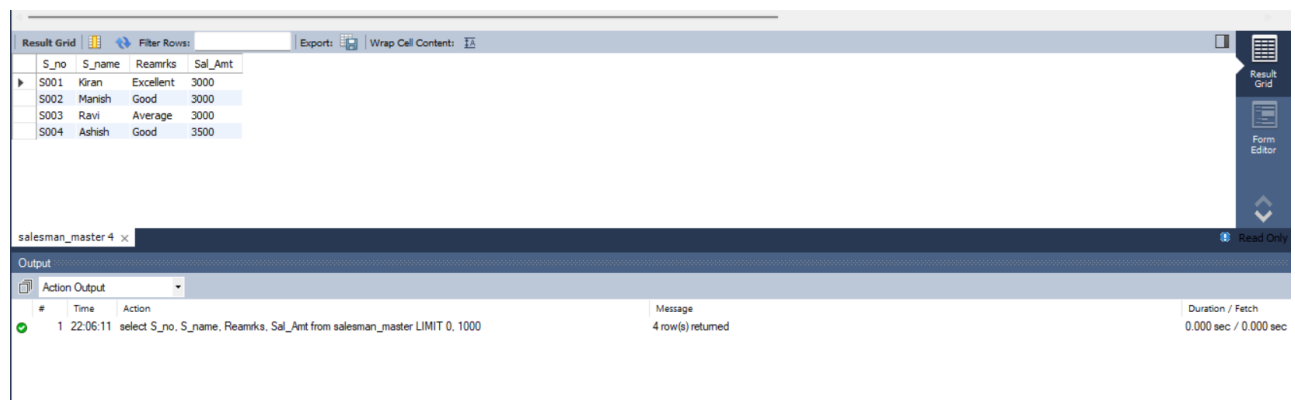
Action Output

#	Time	Action	Message	Duration / Fetch
1	22:03:19	show tables	3 row(s) returned	0.016 sec / 0.000 sec
2	22:04:51	select Product_no, sell_price, Cost_price from product_master LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec

13. Retrieve s_no,s_name, remarks and sal_amt for salesman_master table.
Query: select s_no, s_name, remarks, sal_amt from salesman_master;
Screenshot:-

S_no	S_name	Reamrks	Sal_Amt
S001	Kiran	Excellent	3000
S002	Manish	Good	3000
S003	Ravi	Average	3000
S004	Ashish	Good	3500

salesman_master 4 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	22:06:11	select S_no, S_name, Reamrks, Sal_Amt from salesman_master LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

14. Display all tables for your database.

Query:

show tables;

Screenshot:-