Ganpat University
Faculty of Engineering & Technology
Computer Science & Engineering

Practical_1

Name:- Dwij Vatsal Desai
Sem:- 3
Sub: - DBMS
Enrollment No.:- 23162121027

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

Query: create database Dwij_BDA1027;

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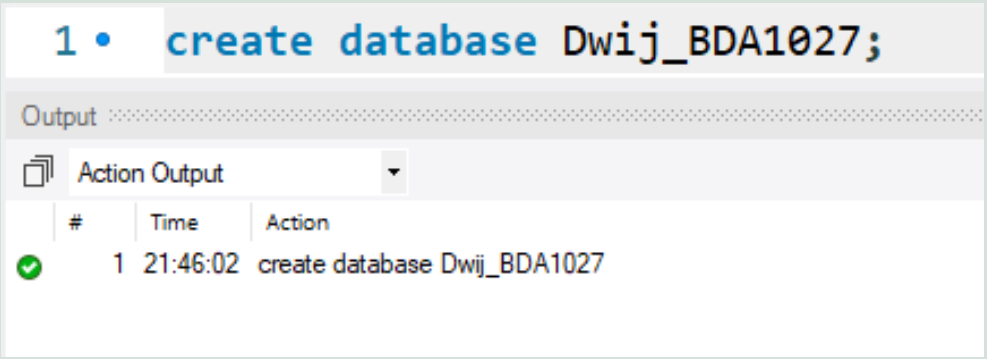
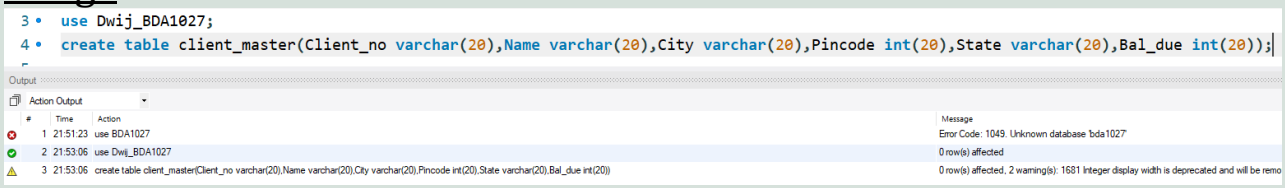


2. Create table client_master.

Query:

```
use Dwij_BDA1027;

create table client_master(Client_no varchar(20),Name varchar(20),City varchar(20),Pincode int(20),State varchar(20),Bal_due int(20));
```

Image:

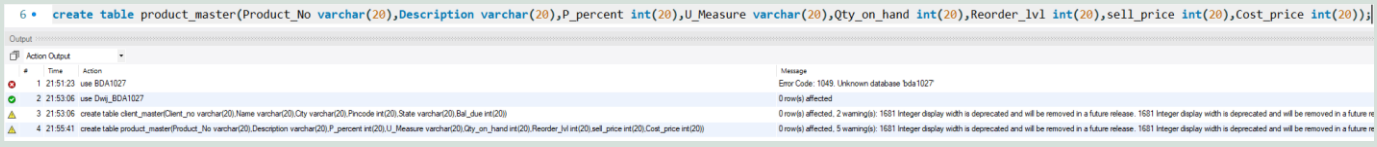


3. Create table product_master.

Query:

```
create table product_master(Product_No varchar(20),Description varchar(20),P_percent int(20),U_Measure varchar(20),Qty_on_hand int(20),Reorder_lvl int(20),sell_price int(20),Cost_price int(20));
```

Image:

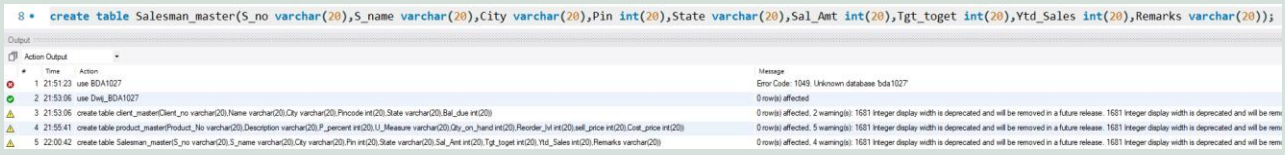


4. Create table salesman_master.

Query:

create table Salesman_master(S_no varchar(20),S_name varchar(20),City varchar(20),Pin int(20),State varchar(20),Sal_Amt int(20),Tgt_toget int(20),Ytd_Sales int(20),Remarks varchar(20));

Image:

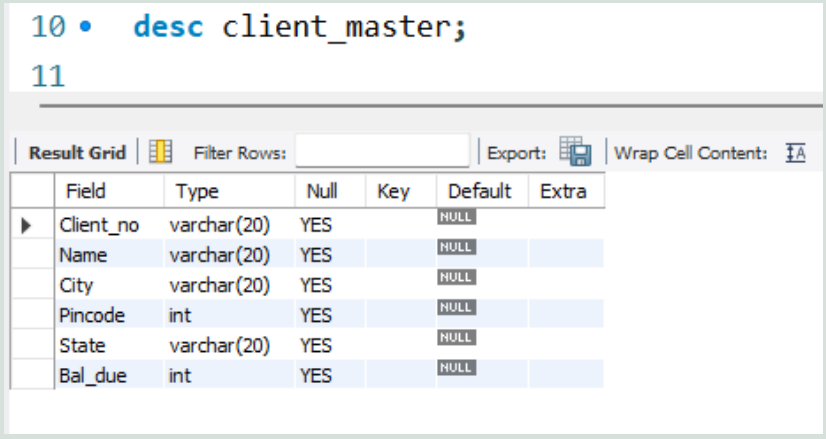


5. Describe structure for client_master table.

Query:

desc client_master;

Image:

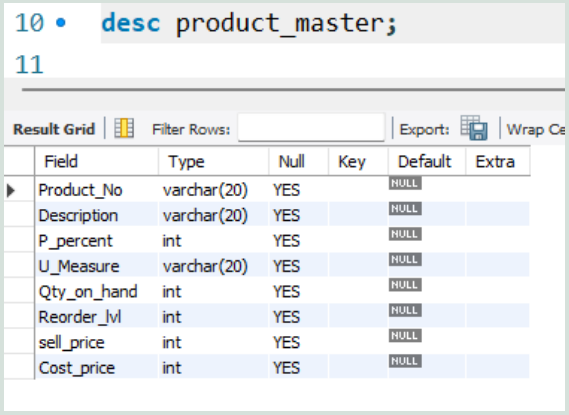


6. Describe structure for product_master table.

Query:

desc product_master;

Image:



```
10 •  desc product_master;
11
```

Result Grid | Filter Rows: | Export: | Wrap Ce

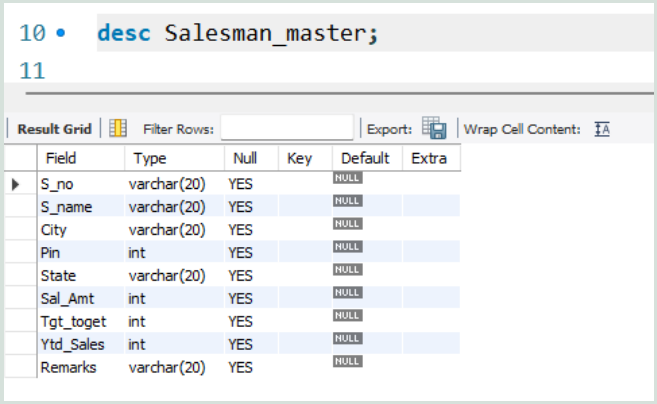
Field	Type	Null	Key	Default	Extra
Product_No	varchar(20)	YES		NULL	
Description	varchar(20)	YES		NULL	
P_percent	int	YES		NULL	
U_Measure	varchar(20)	YES		NULL	
Qty_on_hand	int	YES		NULL	
Reorder_lvl	int	YES		NULL	
sell_price	int	YES		NULL	
Cost_price	int	YES		NULL	

7. Describe structure for salesman_master table.

Query:

desc Salesman_master;

Image:



```
10 •  desc Salesman_master;
11
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

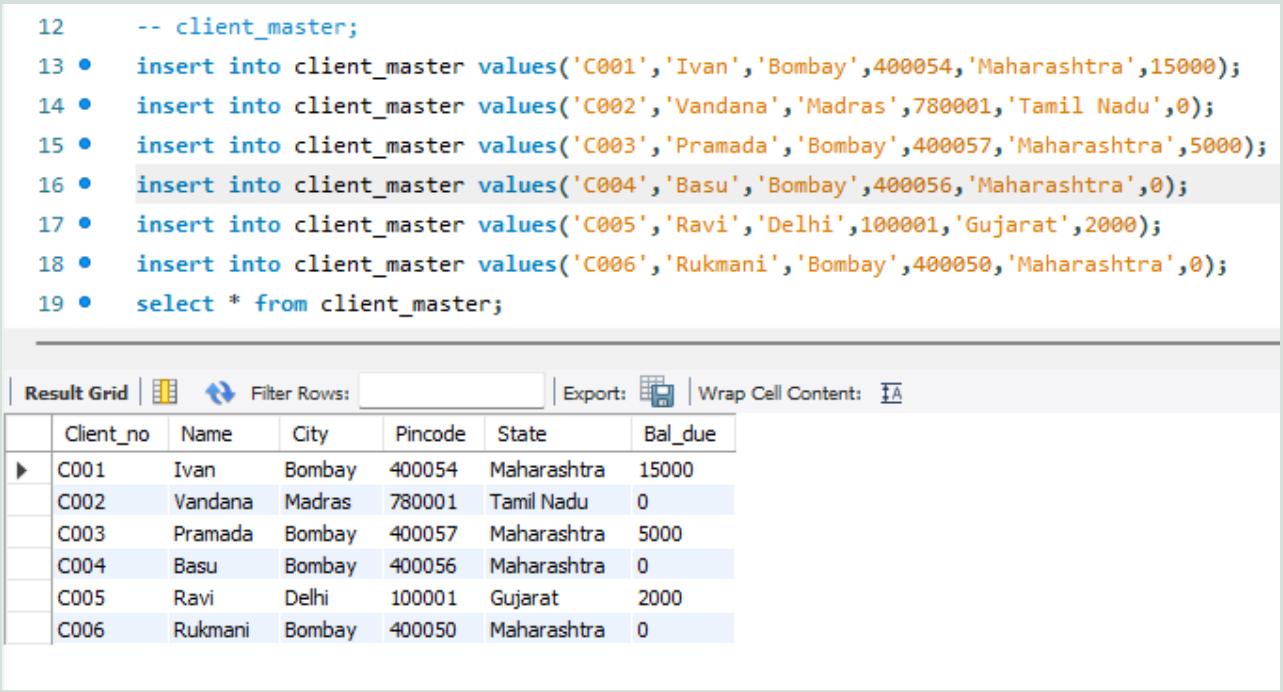
Field	Type	Null	Key	Default	Extra
S_no	varchar(20)	YES		NULL	
S_name	varchar(20)	YES		NULL	
City	varchar(20)	YES		NULL	
Pin	int	YES		NULL	
State	varchar(20)	YES		NULL	
Sal_Amt	int	YES		NULL	
Tgt_toget	int	YES		NULL	
Ytd_Sales	int	YES		NULL	
Remarks	varchar(20)	YES		NULL	

8. Insert records in client_master table.

Query:

```
-- client_master;

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',2000);

insert into client_master values('C006','Rukmani','Bombay',400050,'Maharashtra',0);

select * from client_master;
```

Image:



```
12      -- client_master;
13 •    insert into client_master values('C001','Ivan','Bombay',400054,'Maharashtra',15000);
14 •    insert into client_master values('C002','Vandana','Madras',780001,'Tamil Nadu',0);
15 •    insert into client_master values('C003','Pramada','Bombay',400057,'Maharashtra',5000);
16 •    insert into client_master values('C004','Basu','Bombay',400056,'Maharashtra',0);
17 •    insert into client_master values('C005','Ravi','Delhi',100001,'Gujarat',2000);
18 •    insert into client_master values('C006','Rukmani','Bombay',400050,'Maharashtra',0);
19 •    select * from client_master;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

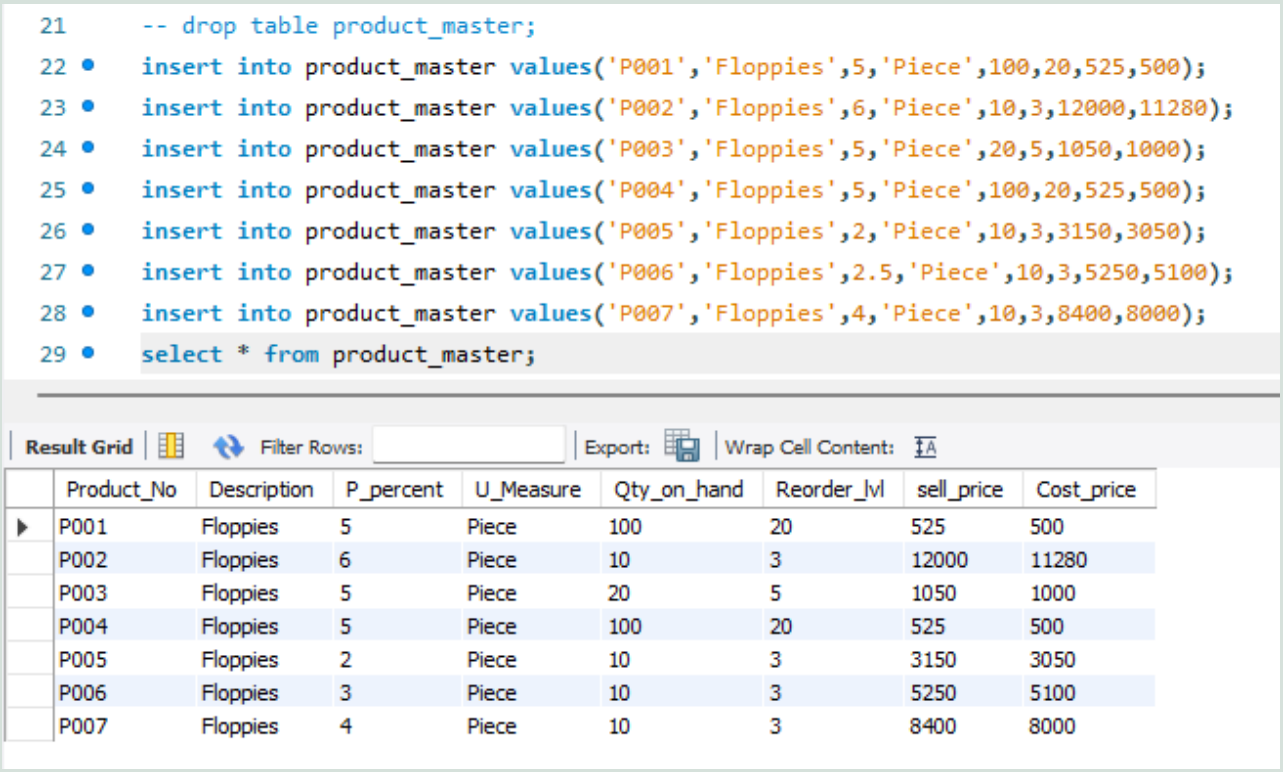
Client_no	Name	City	Pincode	State	Bal_due
C001	Ivan	Bombay	400054	Maharashtra	15000
C002	Vandana	Madras	780001	Tamil Nadu	0
C003	Pramada	Bombay	400057	Maharashtra	5000
C004	Basu	Bombay	400056	Maharashtra	0
C005	Ravi	Delhi	100001	Gujarat	2000
C006	Rukmani	Bombay	400050	Maharashtra	0

9. Insert records in product_master table.

Query:

```
-- drop table product_master;

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

insert into product_master values('P002','Floppies',6,'Piece',10,3,12000,11280);

insert into product_master values('P003','Floppies',5,'Piece',20,5,1050,1000);

insert into product_master values('P004','Floppies',5,'Piece',100,20,525,500);

insert into product_master values('P005','Floppies',2,'Piece',10,3,3150,3050);

insert into product_master values('P006','Floppies',2.5,'Piece',10,3,5250,5100);

insert into product_master values('P007','Floppies',4,'Piece',10,3,8400,8000);

select * from product_master;
```

Image:



```
21      -- drop table product_master;
22 •    insert into product_master values('P001','Floppies',5,'Piece',100,20,525,500);
23 •    insert into product_master values('P002','Floppies',6,'Piece',10,3,12000,11280);
24 •    insert into product_master values('P003','Floppies',5,'Piece',20,5,1050,1000);
25 •    insert into product_master values('P004','Floppies',5,'Piece',100,20,525,500);
26 •    insert into product_master values('P005','Floppies',2,'Piece',10,3,3150,3050);
27 •    insert into product_master values('P006','Floppies',2.5,'Piece',10,3,5250,5100);
28 •    insert into product_master values('P007','Floppies',4,'Piece',10,3,8400,8000);
29 •    select * from product_master;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

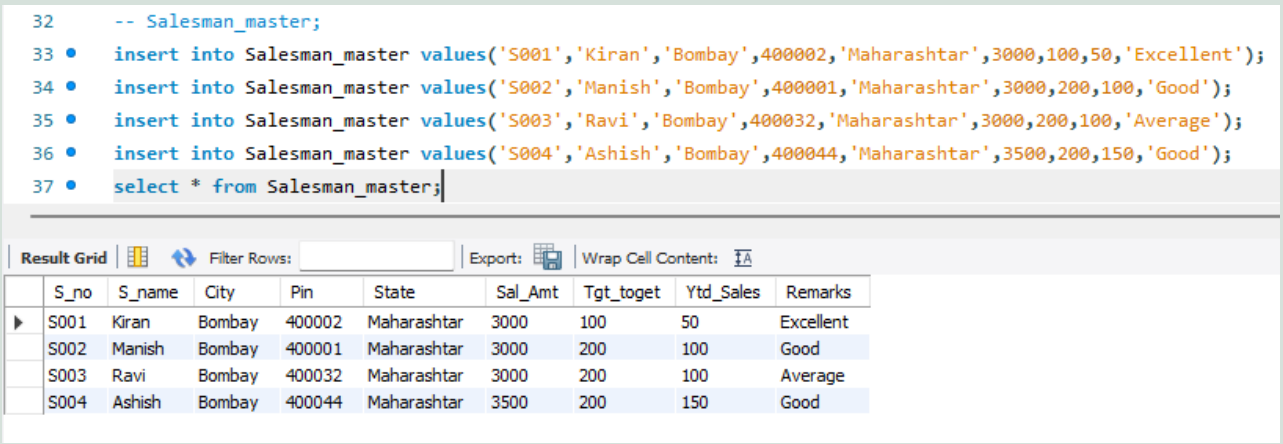
Product_No	Description	P_percent	U_Measure	Qty_on_hand	Reorder_lvl	sell_price	Cost_price
P001	Floppies	5	Piece	100	20	525	500
P002	Floppies	6	Piece	10	3	12000	11280
P003	Floppies	5	Piece	20	5	1050	1000
P004	Floppies	5	Piece	100	20	525	500
P005	Floppies	2	Piece	10	3	3150	3050
P006	Floppies	3	Piece	10	3	5250	5100
P007	Floppies	4	Piece	10	3	8400	8000

10. Insert records in salesman_master table.

Query:

```
-- Salesman_master;

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

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

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

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

select * from Salesman_master;
```

Image:



```
32    -- Salesman_master;
33 •  insert into Salesman_master values('S001','Kiran','Bombay',400002,'Maharashtar',3000,100,50,'Excellent');
34 •  insert into Salesman_master values('S002','Manish','Bombay',400001,'Maharashtar',3000,200,100,'Good');
35 •  insert into Salesman_master values('S003','Ravi','Bombay',400032,'Maharashtar',3000,200,100,'Average');
36 •  insert into Salesman_master values('S004','Ashish','Bombay',400044,'Maharashtar',3500,200,150,'Good');
37 •  select * from Salesman_master;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

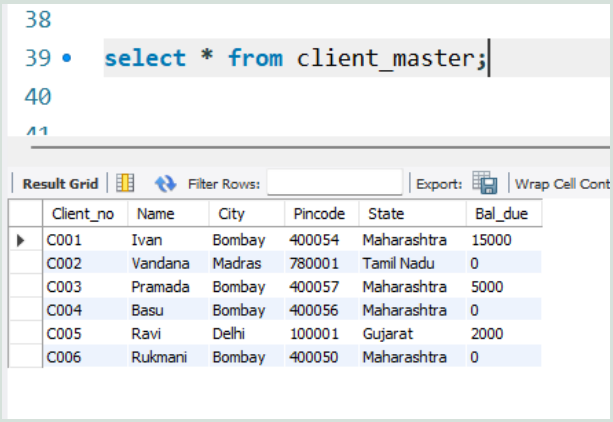
S_no	S_name	City	Pin	State	Sal_Amt	Tgt_toget	Ytd_Sales	Remarks
S001	Kiran	Bombay	400002	Maharashtar	3000	100	50	Excellent
S002	Manish	Bombay	400001	Maharashtar	3000	200	100	Good
S003	Ravi	Bombay	400032	Maharashtar	3000	200	100	Average
S004	Ashish	Bombay	400044	Maharashtar	3500	200	150	Good

11. Retrieve all records for client_master table.

Query:

select * from client_master;

Image:



```
38
39 • select * from client_master;
40
```

Result Grid | Filter Rows: | Export: | Wrap Cell Cont

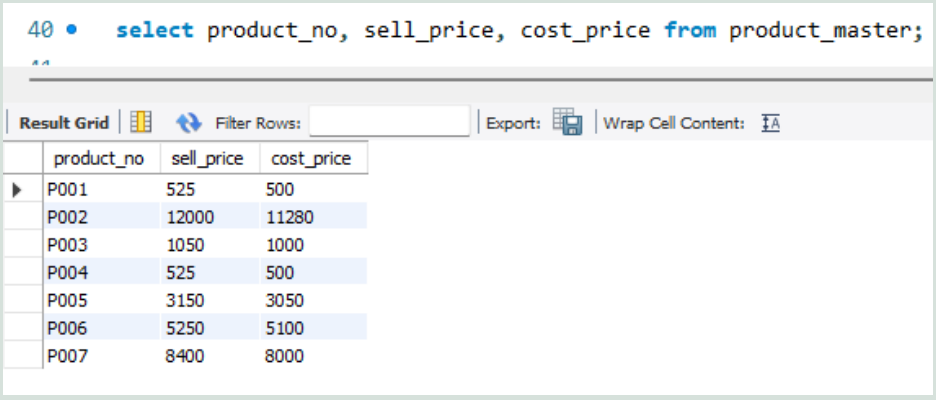
Client_no	Name	City	Pincode	State	Bal_due
C001	Ivan	Bombay	400054	Maharashtra	15000
C002	Vandana	Madras	780001	Tamil Nadu	0
C003	Pramada	Bombay	400057	Maharashtra	5000
C004	Basu	Bombay	400056	Maharashtra	0
C005	Ravi	Delhi	100001	Gujarat	2000
C006	Rukmani	Bombay	400050	Maharashtra	0

12. Retrieve product_no, sell_price and cost_price for product_master table.

Query:

select product_no, sell_price, cost_price from product_master;

Image:



```
40 • select product_no, sell_price, cost_price from product_master;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

product_no	sell_price	cost_price
P001	525	500
P002	12000	11280
P003	1050	1000
P004	525	500
P005	3150	3050
P006	5250	5100
P007	8400	8000

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;

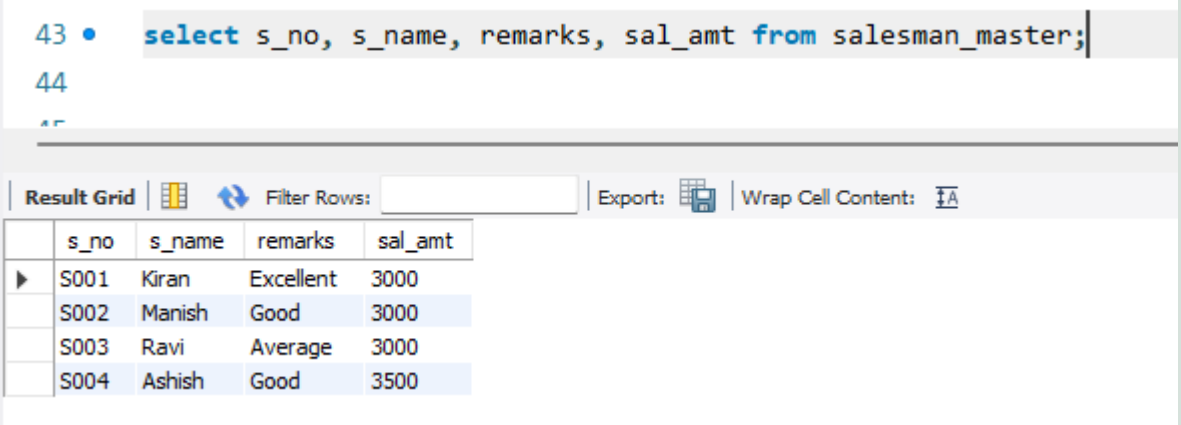



Image: