



DEV JATINBHAI PATEL

CE076

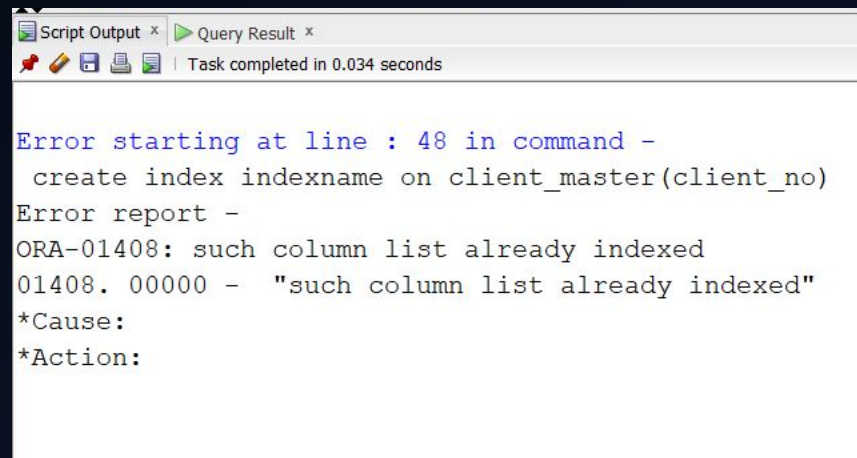
20CEUOS018

DBMS-LAB8

1. Create an index on the table client_master, field client_no.

A).As , here client_no is primary key , we will get this error.

```
create index indexname on client_master(client_no);
```

A screenshot of a database script output window. The window has a title bar with 'Script Output' and 'Query Result' tabs. Below the title bar, there is a status bar that says 'Task completed in 0.034 seconds'. The main content area displays an error message in a monospaced font. The error message starts with 'Error starting at line : 48 in command -' followed by the SQL command 'create index indexname on client_master(client_no)'. Below this, it says 'Error report -' followed by the error code and message 'ORA-01408: such column list already indexed'. The message is then repeated in quotes: '01408. 00000 - "such column list already indexed"'. Finally, it lists '*Cause:' and '*Action:' without further details.

```
Script Output x Query Result x
Task completed in 0.034 seconds

Error starting at line : 48 in command -
create index indexname on client_master(client_no)
Error report -
ORA-01408: such column list already indexed
01408. 00000 - "such column list already indexed"
*Cause:
*Action:
```

2. Create a composite index on the sales_order_details table for the columns s_order_no and product_no.

A). create index indexsod on sales_order_details(s_order_no,product_no);

Actions...										
INDEX_OWNER	INDEX_NAME	UNIQUENESS	STATUS	INDEX_TYPE	TEMPORARY	PARTITIONED	FUNCIDX_STATUS	JOIN_INDEX	COLUMNS	
1 UNIVERSITY	INDEXSOD	NONUNIQUE	VALID	NORMAL	N	NO	(null)	NO	S ORDER NO, PRODUCT NO	

3. Create a composite index ch_index on challan_header table for the columns challan no and s_order_no.

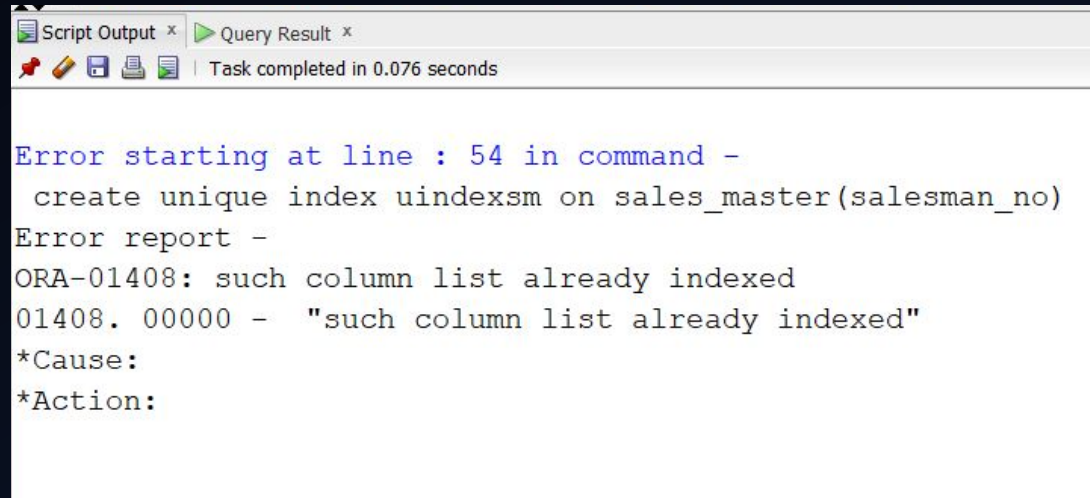
A). create index indexch on challan_header(s_order_no,challan_no);

INDEX_OWNER	INDEX_NAME	UNIQUENESS	STATUS	INDEX_TYPE	TEMPORARY	PARTITIONED	FUNCIDX_STATUS	JOIN_INDEX	COLUMNS
1 UNIVERSITY	INDEXCH	NONUNIQUE	VALID	NORMAL	N	NO	(null)	NO	S ORDER NO, CHALLAN NO
2 UNIVERSITY SYS	C004232	UNIQUE	VALID	NORMAL	N	NO	(null)	NO	CHALLAN NO

4. Create a unique index on the table sales_master, field salesman_no.

create unique index uindexsm on sales_master(salesman_no);

As , here salesman_no is primary key , we will get this error.

A screenshot of a database script output window. The window has two tabs: 'Script Output' and 'Query Result'. Below the tabs, there is a status bar that says 'Task completed in 0.076 seconds'. The main area of the window displays the following text:

```
Error starting at line : 54 in command -  
  create unique index uindexsm on sales_master(salesman_no)  
Error report -  
ORA-01408: such column list already indexed  
01408. 00000 -  "such column list already indexed"  
*Cause:  
*Action:
```

5. Drop index of table challan_header.

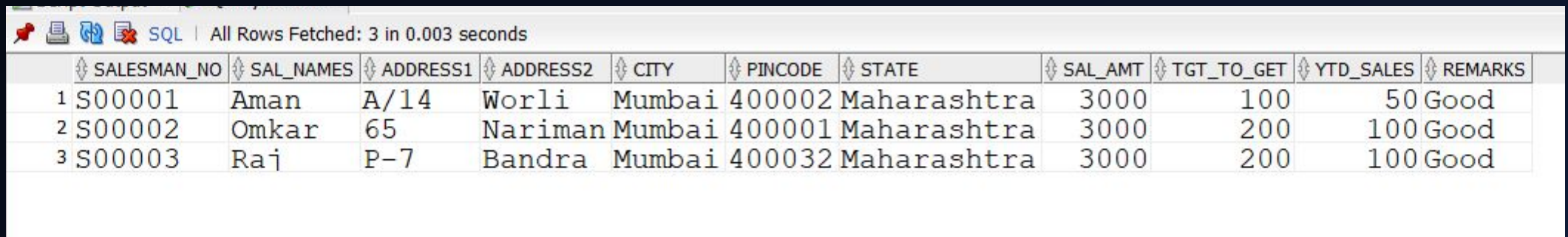
```
drop index indexch;
```

	INDEX_OWNER	INDEX_NAME	UNIQUENESS	STATUS	INDEX_TYPE	TEMPORARY	PARTITIONED	FUNCIDX_STATUS	JOIN_INDEX	COLUMNS	
1	UNIVERSITY SYS	C004232	UNIQUE	VALID	NORMAL	N	NO	(null)	NO	CHALLAN NO	

6. Create view on salesman_master whose sal_amt is less than 3500.

```
create view viewsm as select salesman_no, sal_names,address1  
,address2,city,pincode,state,sal_amt,tgt_to_get,ytd_sales,remarks  
from sales_master where sal_amt < '3500';
```

```
select * from viewsm;
```



The screenshot shows a database query result with 11 columns: SALESMAN_NO, SAL_NAMES, ADDRESS1, ADDRESS2, CITY, PINCODE, STATE, SAL_AMT, TGT_TO_GET, YTD_SALES, and REMARKS. The result contains 3 rows of data, all with a salary of 3000. The status bar at the top indicates 'All Rows Fetched: 3 in 0.003 seconds'.

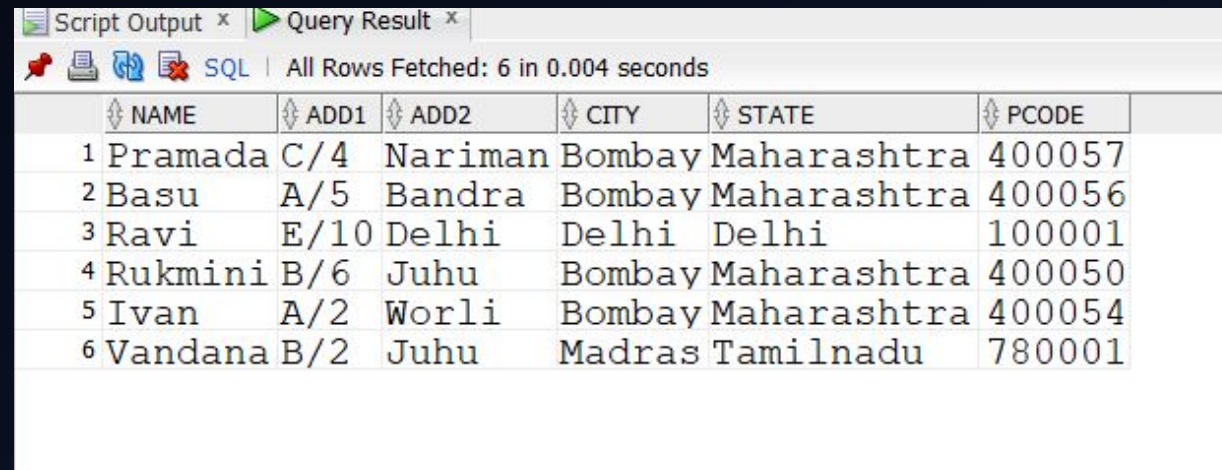
	SALESMAN_NO	SAL_NAMES	ADDRESS1	ADDRESS2	CITY	PINCODE	STATE	SAL_AMT	TGT_TO_GET	YTD_SALES	REMARKS
1	S00001	Aman	A/14	Worli	Mumbai	400002	Maharashtra	3000	100	50	Good
2	S00002	Omkar	65	Nariman	Mumbai	400001	Maharashtra	3000	200	100	Good
3	S00003	Raj	P-7	Bandra	Mumbai	400032	Maharashtra	3000	200	100	Good

7. Create a view client_view on client_master and rename the columns as name, add1, add2, city, pcode, state respectively.

```
CREATE VIEW client_view(name,add1,add2,city,state,pcode) AS
```

```
(SELECT name,address1,address2,city,state,pincode FROM  
client_master);
```

```
SELECT * FROM client_view;
```



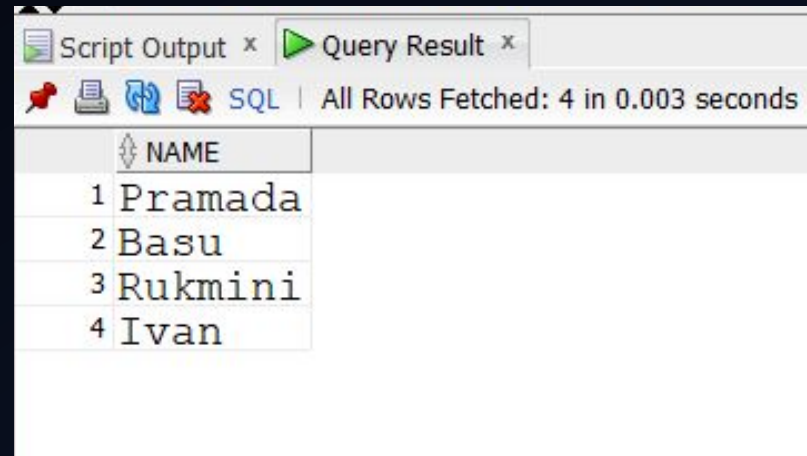
Script Output x Query Result x

SQL | All Rows Fetched: 6 in 0.004 seconds

	NAME	ADD1	ADD2	CITY	STATE	PCODE
1	Pramada	C/4	Nariman	Bombay	Maharashtra	400057
2	Basu	A/5	Bandra	Bombay	Maharashtra	400056
3	Ravi	E/10	Delhi	Delhi	Delhi	100001
4	Rukmini	B/6	Juhu	Bombay	Maharashtra	400050
5	Ivan	A/2	Worli	Bombay	Maharashtra	400054
6	Vandana	B/2	Juhu	Madras	Tamilnadu	780001

8. Select the client names from client_view who lives in city 'Bombay'.

```
SELECT name FROM client_view where city = 'Bombay';
```



The screenshot shows a database query result window with two tabs: 'Script Output' and 'Query Result'. The 'Query Result' tab is active, displaying the results of the SQL query. The window title bar includes icons for a pin, print, copy, and paste, followed by the text 'SQL | All Rows Fetched: 4 in 0.003 seconds'. The results are shown in a table with a single column labeled 'NAME' and four rows of data.

	NAME
1	Pramada
2	Basu
3	Rukmini
4	Ivan

9.Drop the view client_view.

```
drop view client_view;
```

```
View CLIENT_VIEW created.
```

```
View CLIENT_VIEW dropped.
```