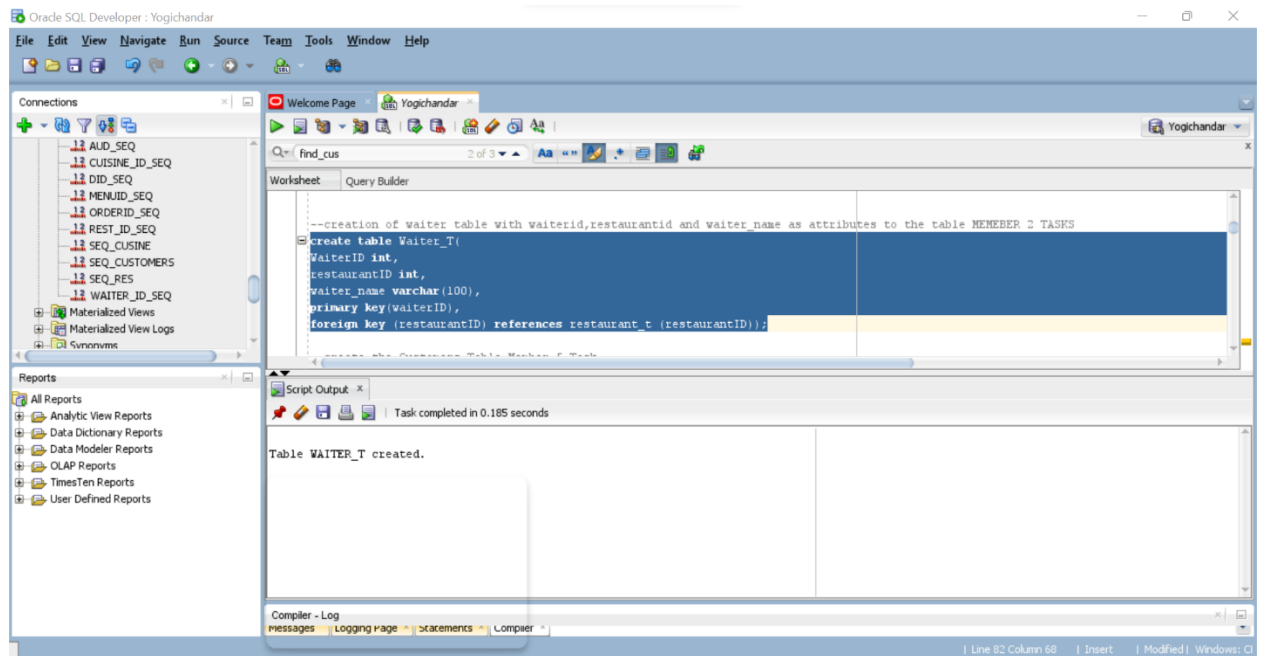
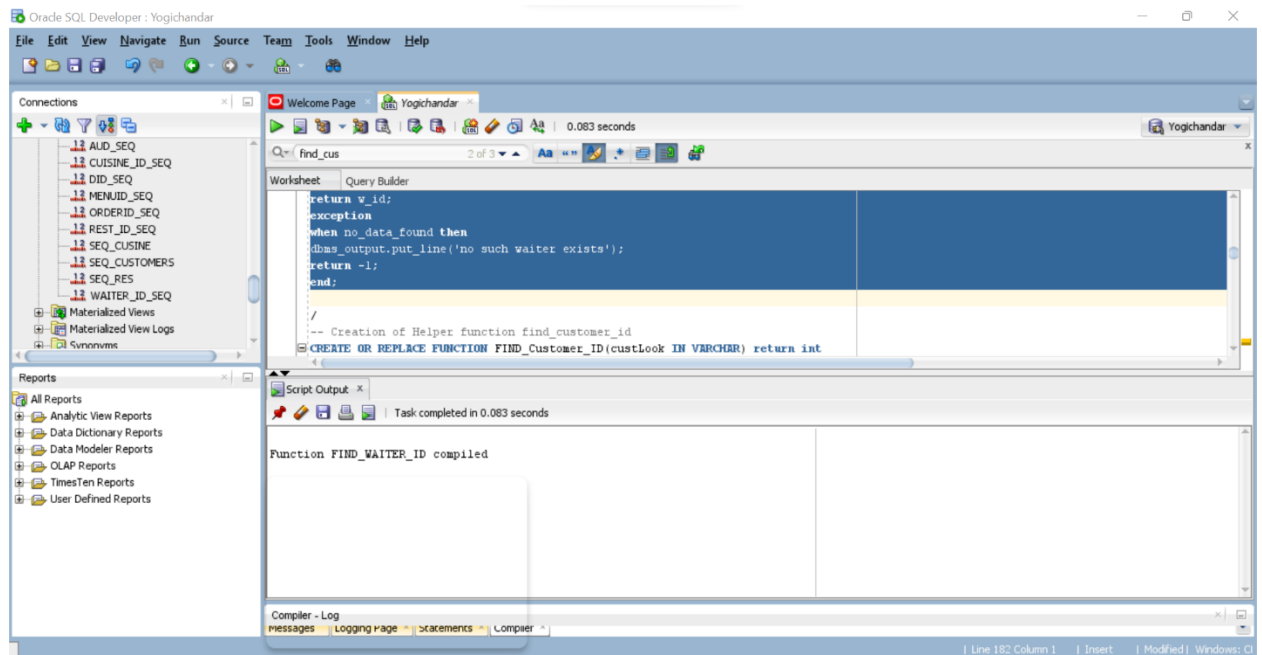


Professor, I have included the screenshots that relate to the member 2 task right from the beginning. You can find D3 deliverable screen shots from the number 5.

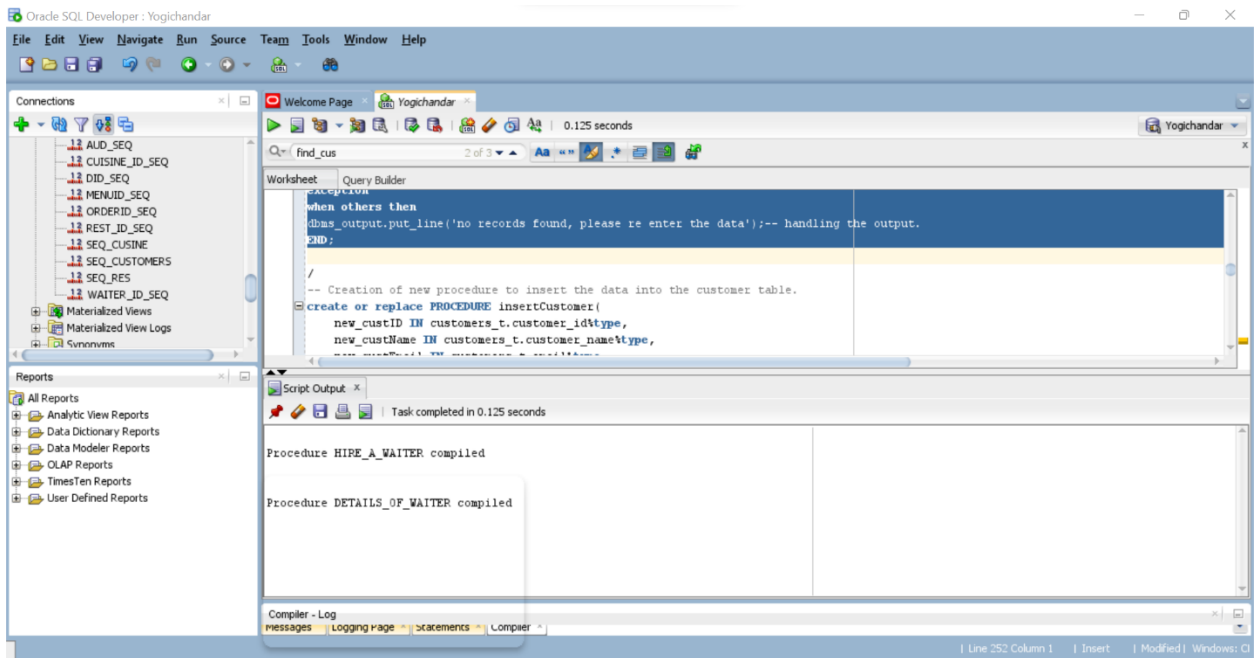
### 1. Creation of waiter table:



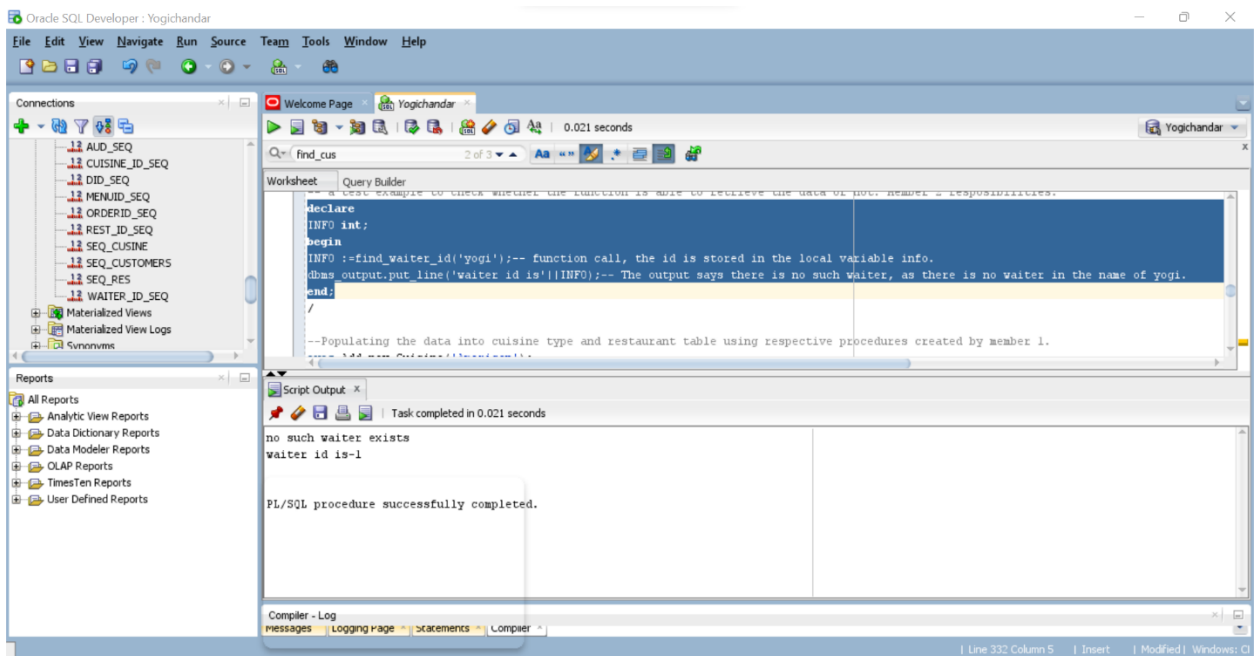
### 2. creation of helper function find\_waiter\_id:



### 3. creation of procedure hire\_a\_waiter and details\_of\_waiter

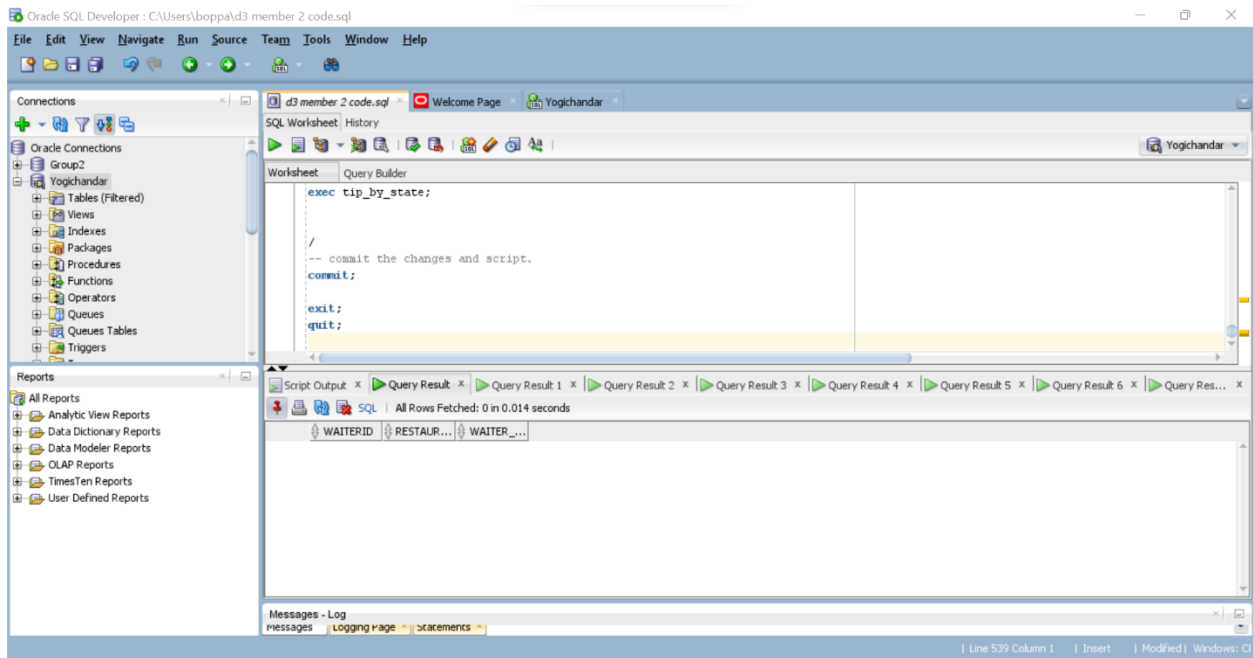


### 4. Execution of find\_a\_waiter function.

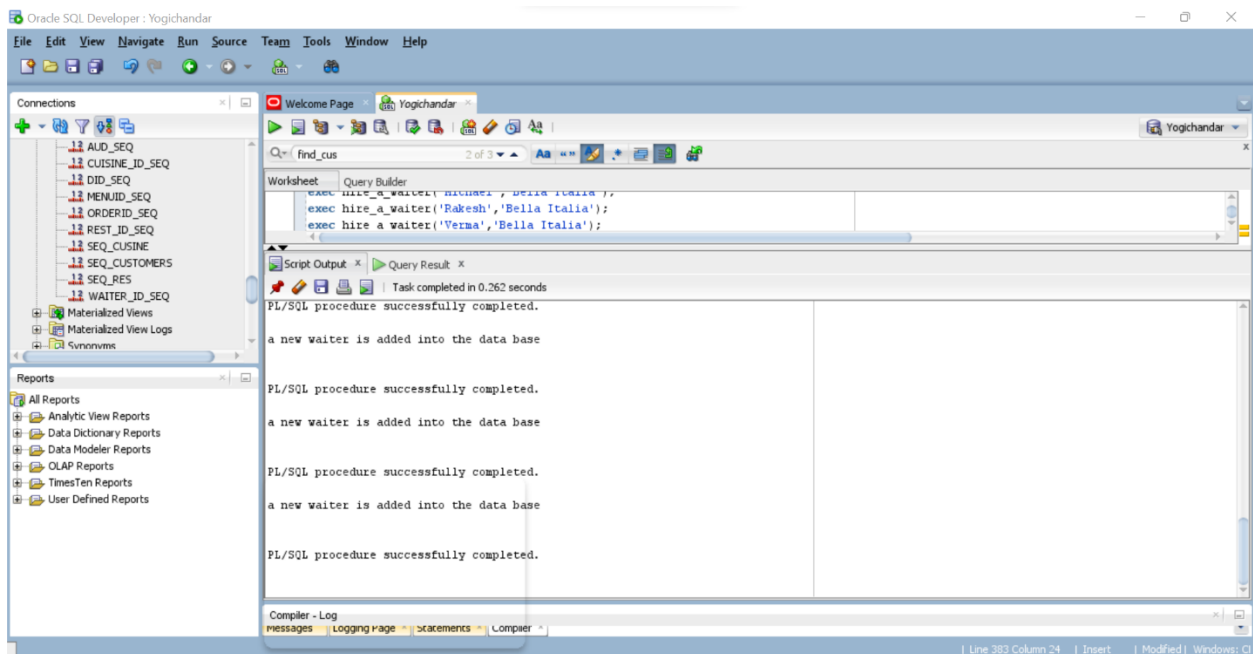


Output screenshots of member 2 tasks as per the data that need to be inserted as per scenarios D3

5. Waiter table query output before populating the data using the procedure



6. insertion of data into waiters table using the procedure as per d3



## 7. Waiter table query result after insertions

The screenshot shows the Oracle SQL Developer interface with the 'Query Result' window displaying the data from the waiter table. The data is as follows:

WAITERID	RESTAURANTID	WAITER_NAME
1	10	1 Jack
2	11	1 Jill
3	12	1 Wendy
4	13	1 Hailey
5	14	2 Mary
6	15	2 Pat
7	16	2 Michael
8	17	2 Rakesh
9	18	2 Verma
10	19	3 Mike
11	20	3 Judy
12	21	6 Trevor
13	22	5 Chap
14	23	4 Hannah

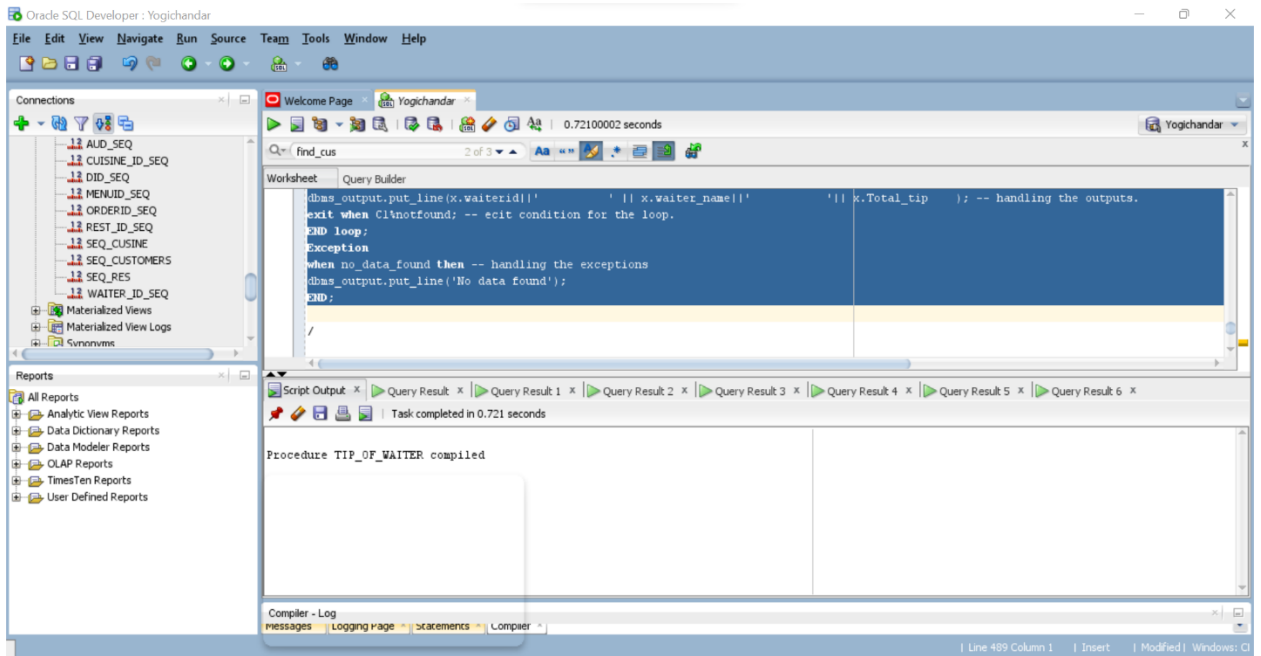
## 8. output of waiters working in restaurant bella italia

The screenshot shows the Oracle SQL Developer interface with the 'Script Output' window displaying the results of the query. The output is as follows:

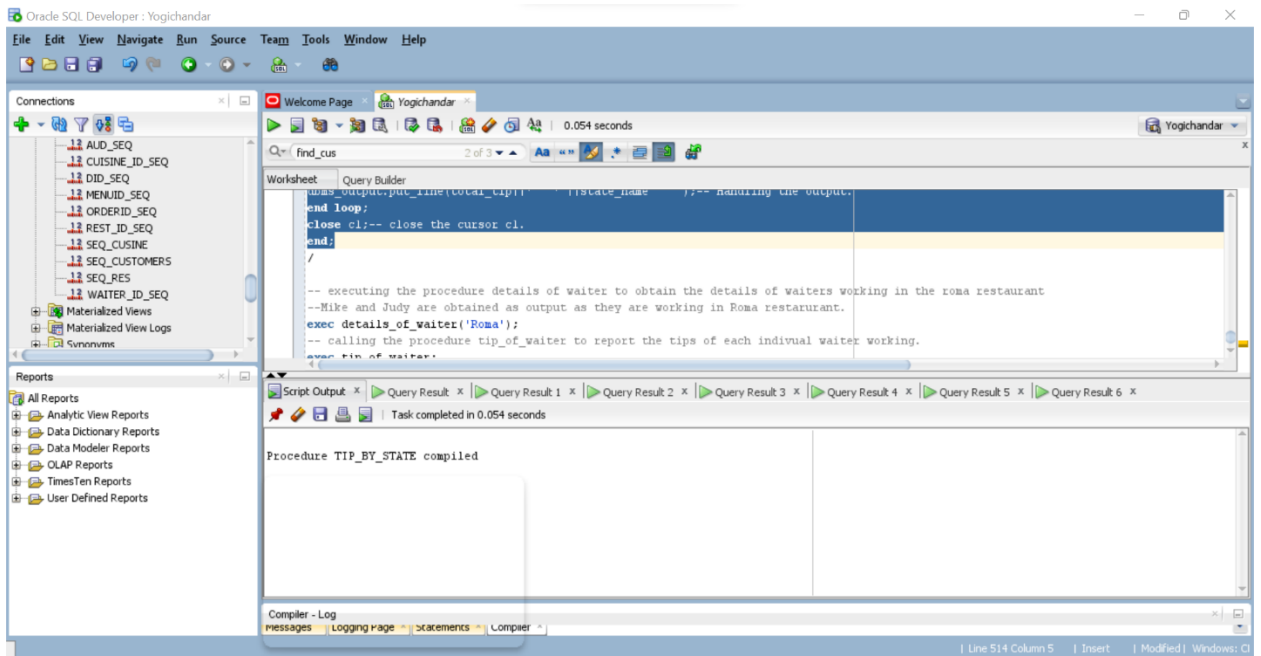
```
vid :14 rid :2waitername : Mary
vid :15 rid :2waitername : Pat
vid :16 rid :2waitername : Michael
vid :17 rid :2waitername : Rakesh
vid :18 rid :2waitername : Verma

PL/SQL procedure successfully completed.
```

## 9. Creating procedure tip\_of\_waiter



## 10. Creating the procedure Tip\_By\_state



## 11. details of waiters working in roma restaurant

The screenshot shows the Oracle SQL Developer interface. The left pane displays the database schema with tables like AUD\_SEQ, CUISINE\_ID\_SEQ, DID\_SEQ, MENUID\_SEQ, ORDERID\_SEQ, REST\_ID\_SEQ, SEQ\_CUISINE, SEQ\_CUSTOMERS, SEQ\_RES, and WAITER\_ID\_SEQ. The main workspace shows a SQL script with the following content:

```
-- executing the procedure details of waiter to obtain the details of waiters working in the roma restaurant
--Mike and Judy are obtained as output as they are working in Roma restaurant.
exec details_of_waiter('Roma');
-- calling the procedure tip_of_waiter to report the tips of each individual waiter working.
exec tip_of_waiter;
-- calling the procedure tip_by_state to report the tips state wise.
exec tip_by_state;
```

The script was executed successfully, and the output is displayed in the Script Output pane:

```
Task completed in 0.042 seconds

wid :19  rid :3waitername : Mike
wid :20  rid :3waitername : judy

PL/SQL procedure successfully completed.
```

## 12. output of tips of each waiter working (Report tips).

The screenshot shows the Oracle SQL Developer interface. The left pane displays the database schema with tables like AUD\_SEQ, CUISINE\_ID\_SEQ, DID\_SEQ, MENUID\_SEQ, ORDERID\_SEQ, REST\_ID\_SEQ, SEQ\_CUISINE, SEQ\_CUSTOMERS, SEQ\_RES, and WAITER\_ID\_SEQ. The main workspace shows a SQL script with the following content:

```
-- executing the procedure details of waiter to obtain the details of waiters working in the roma restaurant
--Mike and Judy are obtained as output as they are working in Roma restaurant.
exec details_of_waiter('Roma');
-- calling the procedure tip_of_waiter to report the tips of each individual waiter working.
exec tip_of_waiter;
-- calling the procedure tip_by_state to report the tips state wise.
exec tip_by_state;
```

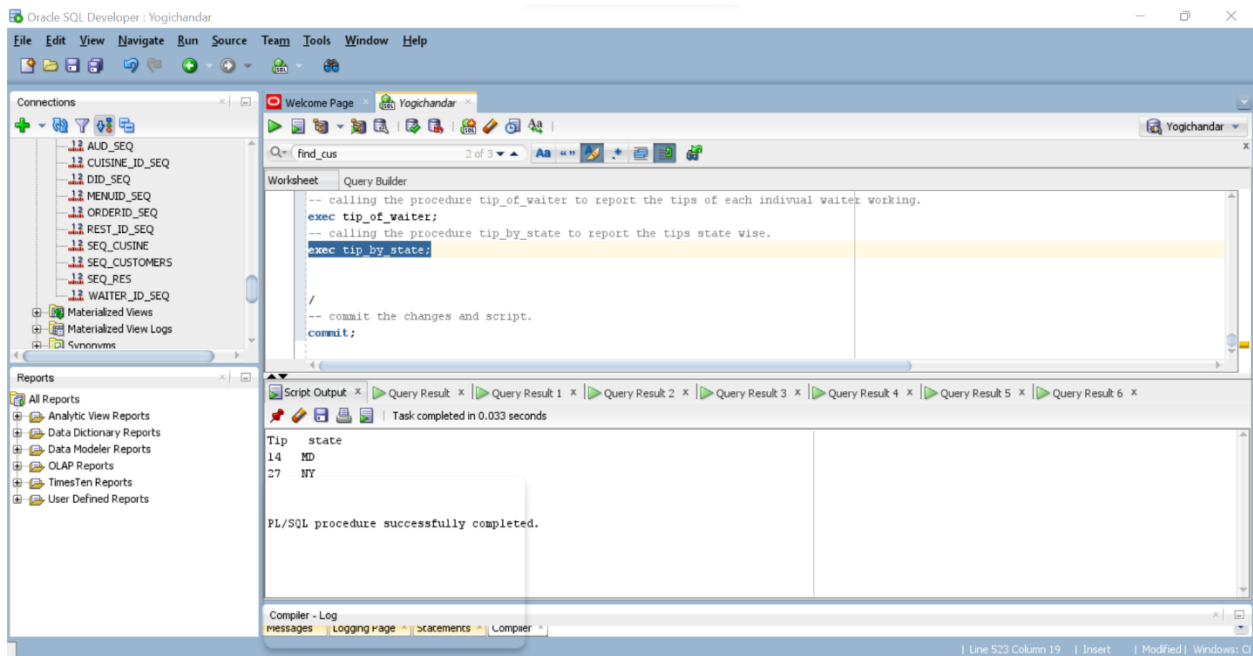
The script was executed successfully, and the output is displayed in the Script Output pane:

```
Task completed in 0.067 seconds

waiter id  waiter name  Total tip of waiter
14         Mary         14
23         hannah      27

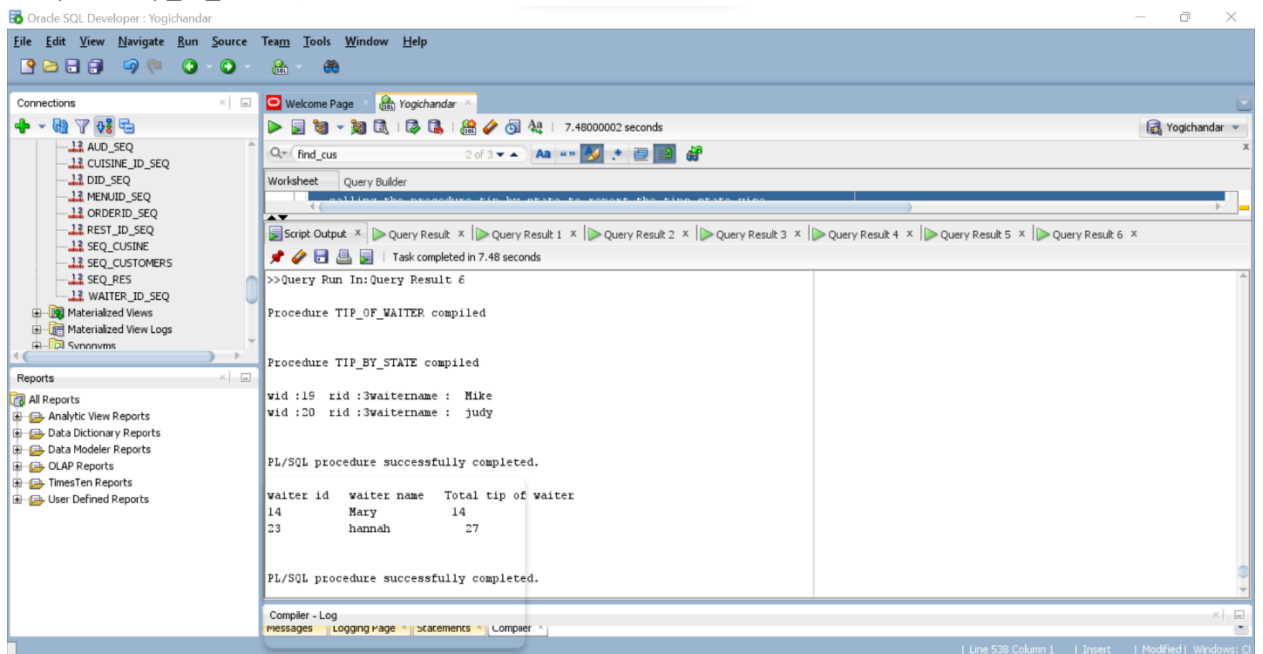
PL/SQL procedure successfully completed.
```

### 13. output of tips\_by\_state by state(report tips by state)



### 14. Entire code at time:

- a. Execution of procedures, Showing the waiters working in roma restaurant and Reporting the tips (output of tip\_of\_waiter)



b. Execution and results of tips\_by\_state(repoting the tips by state)

The screenshot displays the Oracle SQL Developer interface with the following components:

- Connections:** A tree view on the left showing database connections and schema objects like `AUD_SEQ`, `CUISINE_ID_SEQ`, `DID_SEQ`, `MENUID_SEQ`, `ORDERID_SEQ`, `REST_ID_SEQ`, `SEQ_CUISINE`, `SEQ_CUSTOMERS`, `SEQ_RES`, `WAITER_ID_SEQ`, `Materialized Views`, `Materialized View Logs`, and `synonyms`.
- Script Output:** The main window showing the execution of a PL/SQL procedure. It includes the following text:

```
PL/SQL procedure successfully completed.

waiter id waiter name Total tip of waiter
14 Mary 14
23 hannah 27

PL/SQL procedure successfully completed.

Tip state
14 MD
27 NY

PL/SQL procedure successfully completed.

Commit complete.
```
- Query Results:** A tab labeled "Query Result 1" is active, displaying the results of a query. The results are as follows:

waiter id	waiter name	Total tip of waiter
14	Mary	14
23	hannah	27
- Compiler - Log:** A tab at the bottom showing the compiler log, which includes messages, logging, warnings, and errors.