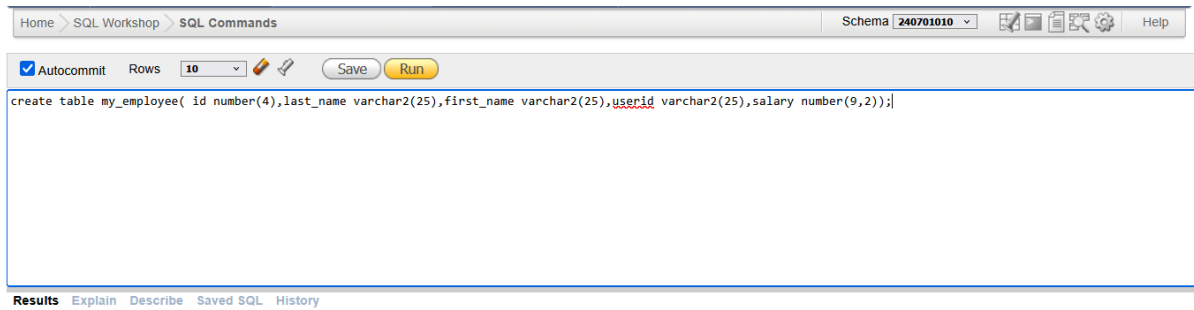# Exercise 1- Creation of base table and dml operations

1. Create MY_EMPLOYEE table with the following structure
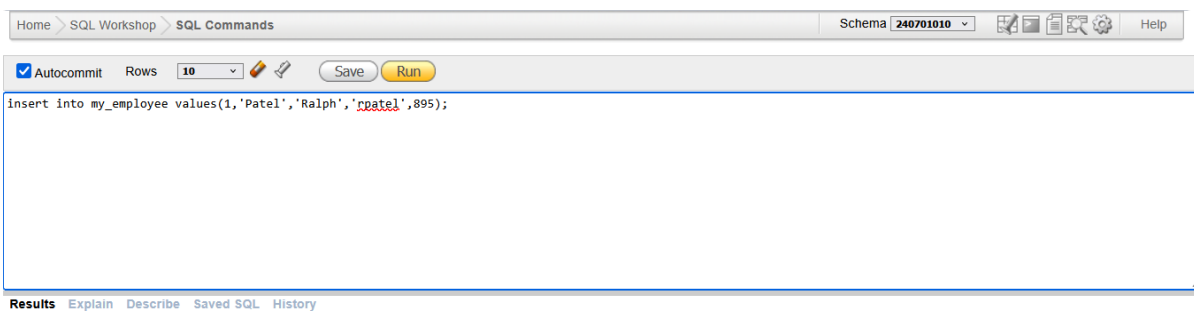
| Home | SQL Workshop | **SQL Commands** | | Schema 240701010 ˅ | | Help |
|---|---|---|---|---|---|---|

☑ Autocommit   Rows  10 ˅        Save   Run

```
create table my_employee( id number(4),last_name varchar2(25),first_name varchar2(25),userid varchar2(25),salary number(9,2));
```

**Results**  Explain  Describe  Saved SQL  History

Table created.

0.06 seconds
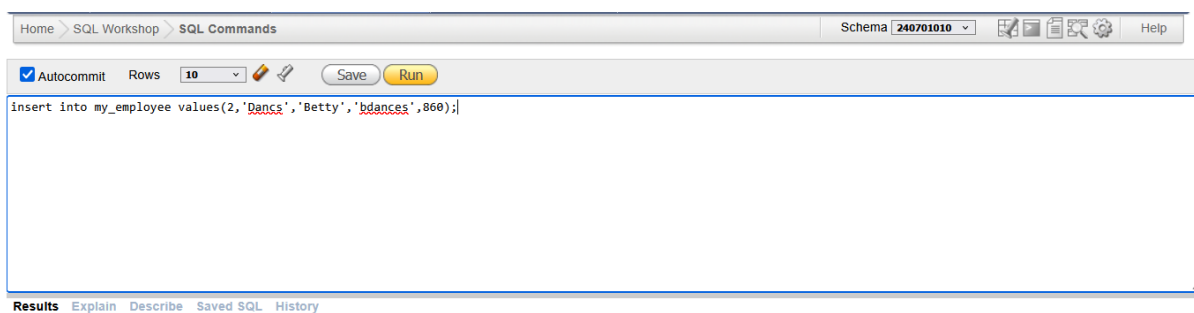
2. Insert the rows to MY_EMPLOYEE table

| Home | SQL Workshop | **SQL Commands** | | Schema 240701010 ˅ | | Help |
|---|---|---|---|---|---|---|

☑ Autocommit   Rows  10 ˅        Save   Run

```
insert into my_employee values(1,'Patel','Ralph','rpatel',895);
```

**Results**  Explain  Describe  Saved SQL  History

1 row(s) inserted.

0.07 seconds

| Home | SQL Workshop | **SQL Commands** | | Schema 240701010 ˅ | | Help |
|---|---|---|---|---|---|---|

☑ Autocommit   Rows  10 ˅        Save   Run

```
insert into my_employee values(2,'Dancs','Betty','bdances',860);
```

**Results**  Explain  Describe  Saved SQL  History

1 row(s) inserted.

0.03 seconds

☑ Autocommit   Rows [10 ▾]   Save [Run]

```
insert into my_employee values(3,'Biri','Ben','bbiri',1100);
```

**Results**   Explain   Describe   Saved SQL   History

1 row(s) inserted.

0.00 seconds

☑ Autocommit   Rows [10 ▾]   Save [Run]

```
insert into my_employee values( 4,'Newman','Chad','Cnewman',750)
```

**Results**   Explain   Describe   Saved SQL   History

1 row(s) inserted.

0.00 seconds

☑ Autocommit   Rows [10 ▾]   Save [Run]

```
insert into my_employee values(5,'Ropebur','Audrey','aropebur',1550);
```

**Results**   Explain   Describe   Saved SQL   History

1 row(s) inserted.

0.00 seconds

3. Display the table with values

☑ Autocommit   Rows [10 ▾]   Save [Run]

```
select *from my_employee;
```

**Results**   Explain   Describe   Saved SQL   History

| ID | LAST_NAME | FIRST_NAME | USERID | SALARY |
|----|-----------|------------|--------|--------|
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdances | 860 |
| 3 | Biri | Ben | bbiri | 1100 |
| 5 | Ropebur | Audrey | aropebur | 1550 |
| 4 | Newman | Chad | Cnewman | 750 |

5 rows returned in 0.21 seconds    Download

4. Concatenate the first letter of the first_name with the first seven characters of the last_name to produce userid

```
select substr(first_name,1,1) from my_employee;
```

**Results** Explain Describe Saved SQL History

| SUBSTR(FIRST_NAME,1,1) |
| --- |
| R |
| B |
| B |
| A |
| C |

5 rows returned in 0.01 seconds    Download

```
select substr(last_name,1,7) from my_employee;
```

**Results** Explain Describe Saved SQL History

| SUBSTR(LAST_NAME,1,7) |
| --- |
| Patel |
| Dancs |
| Biri |
| Ropebur |
| Newman |

5 rows returned in 0.00 seconds    Download

```
select concat(substr(first_name,1,1),substr(last_name,1,7))from my_employee;
```

**Results** Explain Describe Saved SQL History

| CONCAT(SUBSTR(FIRST_NAME,1,1),SUBSTR(LAST_NAME,1,7)) |
| --- |
| RPatel |
| BDancs |
| BBiri |
| ARopebur |
| CNewman |

5 rows returned in 0.00 seconds    Download

5. Delete Betty dancs from MY_EMPLOYEE table

Schema 240701010

Help

Autocommit Rows 10 Save Run

```
delete from my_employee where id=2;
```

**Results** Explain Describe Saved SQL History

1 row(s) deleted.

0.06 seconds

## 6. Empty the fourth row of the emp table

Schema 240701010

Help

Autocommit Rows 10 Save Run

```
delete from my_employee where id=5;
```

**Results** Explain Describe Saved SQL History

1 row(s) deleted.

0.02 seconds

## 7. Make the data additions permanent

Schema 240701010

Help

Autocommit Rows 10 Save Run

```
commit
```

**Results** Explain Describe Saved SQL History

Statement processed.

0.22 seconds

## 8. Change the last name of employee 3 to Drexler

☑ Autocommit    Rows   `10` ∨ ✎ ✐      ( Save )  ( **Run** )

```
update my_employee set last_name='Drexler'where id=3;
```

**Results**  Explain  Describe  Saved SQL  History

1 row(s) updated.

0.00 seconds

9.  Change the salary to 1000 for all the employees with a salary less than 900

```
update my_employee set salary=1000 where(salary<900);
```

**Results**  Explain  Describe  Saved SQL  History

2 row(s) updated.

0.03 seconds