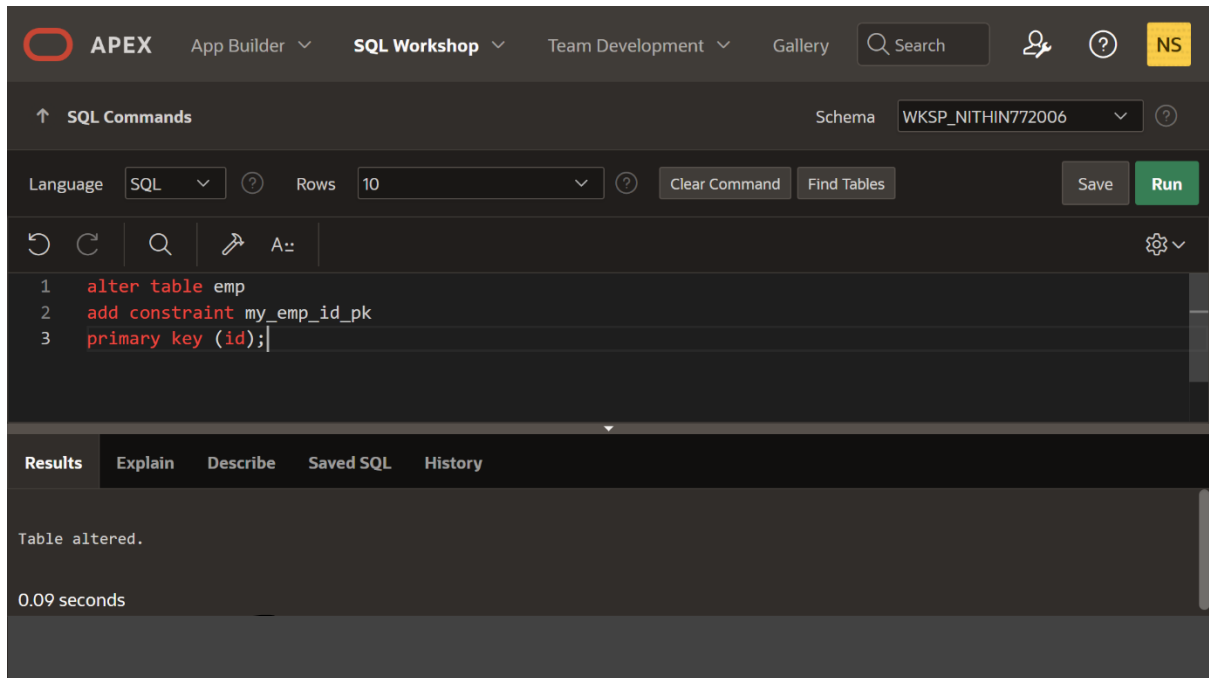
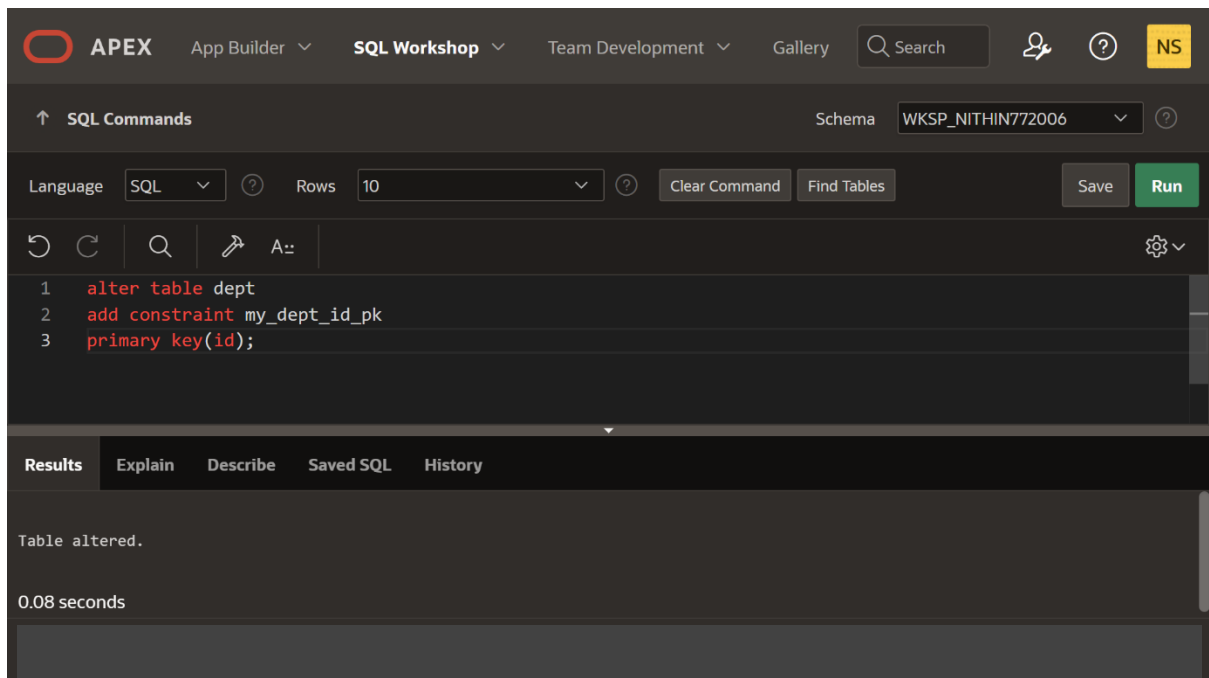


1. Add a table-level PRIMARY KEY constraint to the EMP table on the ID column. The constraint should be named at creation. Name the constraint my_emp_id_pk.



The screenshot shows the APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. The 'SQL Commands' section is active, showing a schema dropdown set to 'WKSP_NITHIN772006'. Below this, the 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is:
1 alter table emp
2 add constraint my_emp_id_pk
3 primary key (id);
The 'Run' button is highlighted in green. Below the command editor, the 'Results' tab is selected, displaying the message 'Table altered.' and the execution time '0.09 seconds'.

2. Create a PRIMARY KEY constraint to the DEPT table using the ID column. The constraint should be named at creation. Name the constraint my_dept_id_pk.



The screenshot shows the APEX SQL Workshop interface. The top navigation bar includes 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile are on the right. The 'SQL Commands' section is active, showing a schema dropdown set to 'WKSP_NITHIN772006'. Below this, the 'Language' is set to 'SQL' and 'Rows' to '10'. The SQL command entered is:
1 alter table dept
2 add constraint my_dept_id_pk
3 primary key(id);
The 'Run' button is highlighted in green. Below the command editor, the 'Results' tab is selected, displaying the message 'Table altered.' and the execution time '0.08 seconds'.

3. Add a column DEPT_ID to the EMP table. Add a foreign key reference on the EMP table that ensures that the employee is not assigned to nonexistent department. Name the constraint my_emp_dept_id_fk.

The screenshot shows the APEX SQL Workshop interface. The top navigation bar includes the APEX logo, App Builder, SQL Workshop, Team Development, and Gallery menus, along with a search bar and user profile. The main area is titled "SQL Commands" and shows the schema "WKSP_NITHIN772006". The language is set to "SQL" and the number of rows is set to "10". The command being executed is:

```
1 ALTER TABLE emp
2 ADD (commision NUMBER(5,2) CONSTRAINT ck_commission CHECK (commision > 0));
3
```

The results pane shows the message "Table altered." and the execution time "0.07 seconds".

4. Modify the EMP table. Add a COMMISSION column of NUMBER data type, precision 2, scale 2. Add a constraint to the commission column that ensures that a commission value is greater than zero.

The screenshot shows the APEX SQL Workshop interface. The top navigation bar includes the APEX logo, App Builder, SQL Workshop, Team Development, and Gallery menus, along with a search bar and user profile. The main area is titled "SQL Commands" and shows the schema "WKSP_NITHIN772006". The language is set to "SQL" and the number of rows is set to "10". The command being executed is:

```
1 ALTER TABLE emp
2 ADD (comission_pos NUMBER(2,2) CONSTRAINT comission_positive CHECK (comission_pos > 0));
3
```

The results pane shows the message "Table altered." and the execution time "0.07 seconds".