Exercise 3

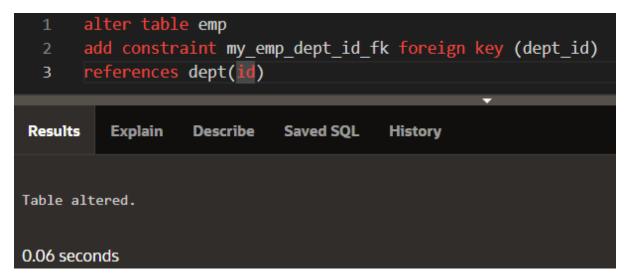| Name	Mahesh K
Roll No	241801149
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1. **Add a table-level PRIMARY KEY constraint to the EMP table on the ID column.The
   constraint should be named at creation. Name the constraint
   my_emp_id_pk.**

```
1    alter table emp add constraint my_emp_id_pk primary key (employee_id)
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.07 seconds

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

```
1   alter table dept
2   add constraint my_dept_id_pk primary key (id)
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.09 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 deparment. Name the constraint my_emp_dept_id_fk.

```
1    alter table emp
2    add constraint my_emp_dept_id_fk foreign key (dept_id)
3    references dept(id)
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.06 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.**

```
1    alter table emp
2    add commission number(2,2)
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.06 seconds

```
1    alter table emp
2    add constraint ck check (commission>0)
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.05 seconds