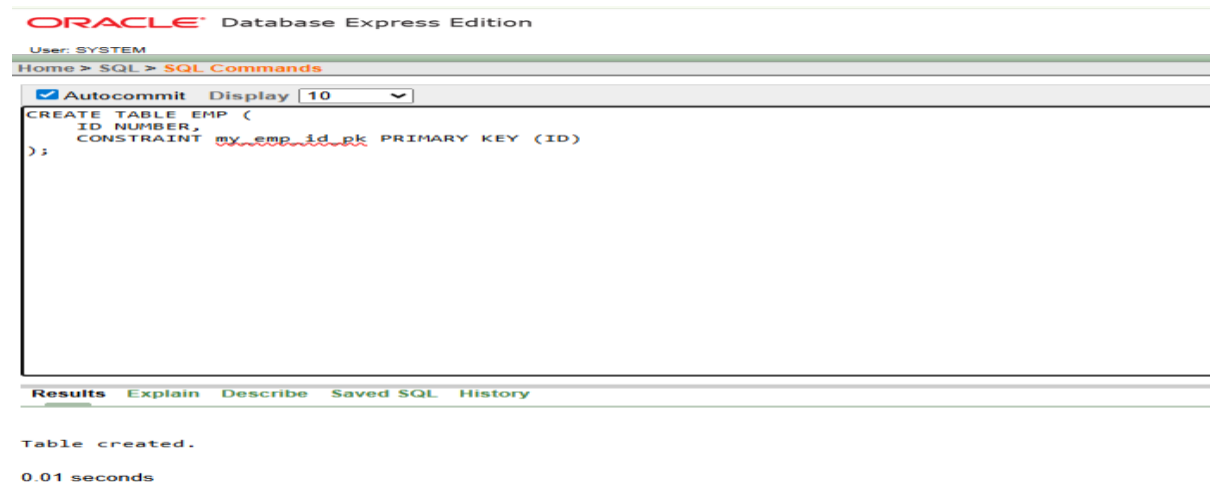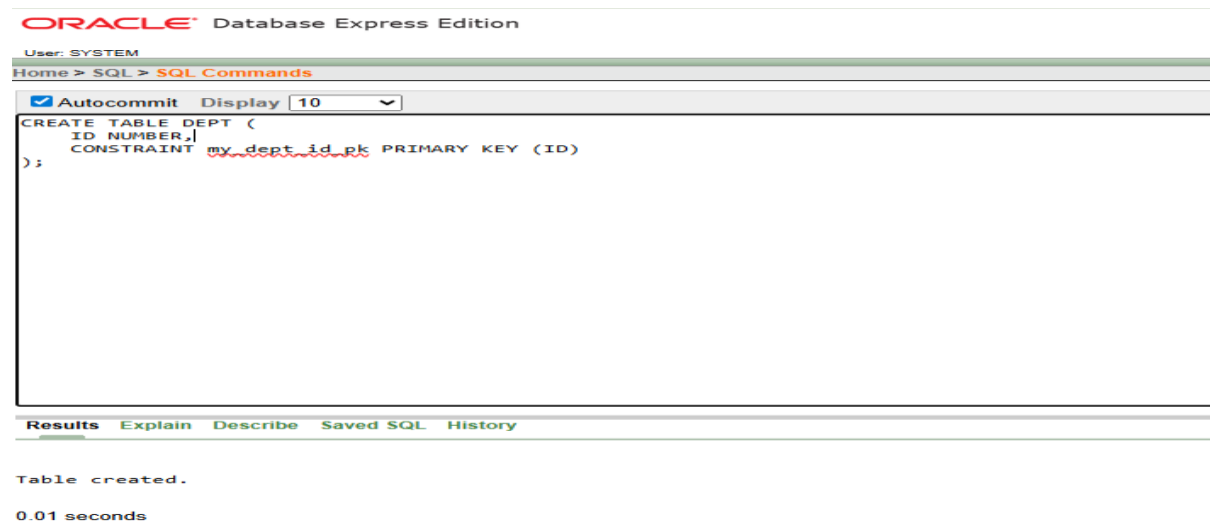**EXERCISE 3**

NAME: VIDHYASHREE J

REG NO:241801310

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.

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.

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.

Home > SQL > SQL Commands

☑ Autocommit   Display [10   ∨]

```
ALTER TABLE EMP
ADD DEPT_ID NUMBER;
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.01 seconds

Home > SQL > SQL Commands

☑ Autocommit   Display [10   ∨]

```
ALTER TABLE EMP
ADD CONSTRAINT my_emp_dept_id_fk FOREIGN KEY (DEPT_ID)
REFERENCES DEPT(ID);
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.02 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.

Home > SQL > SQL Commands

☑ Autocommit   Display [10   ∨]

```
ALTER TABLE EMP
ADD COMMISSION NUMBER(2,2);
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.00 seconds

☑ Autocommit   Display [10 ▼]

```
ALTER TABLE EMP
ADD CONSTRAINT emp_commission_chk CHECK (COMMISSION > 0);
```

Results   Explain   Describe   Saved SQL   History

Table altered.

0.02 seconds