**Name:-** Vansh Nilesh Badjate
**PRN:-** 2124UMLM2022
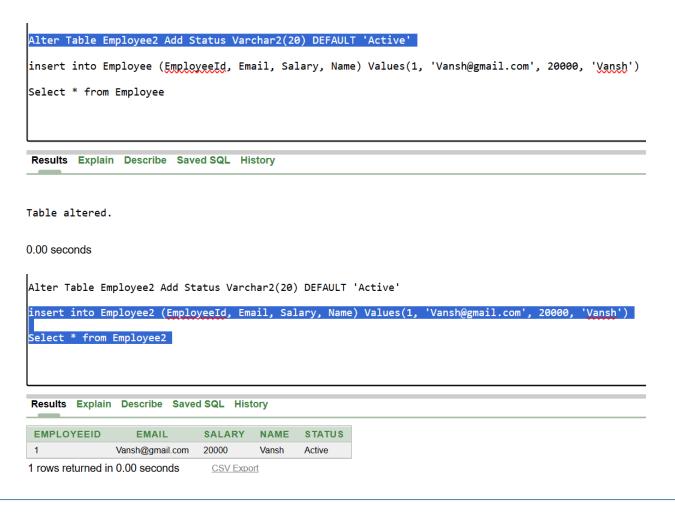**DBMS PBL Exam**

**Practical No.07**

1. **Create Table With Constraints**

```
create table Employee2(EmployeeId int Primary Key, Email varchar2(30) Unique, Salary int Check(Salary>10000))
```

Results  Explain  Describe  Saved SQL  History
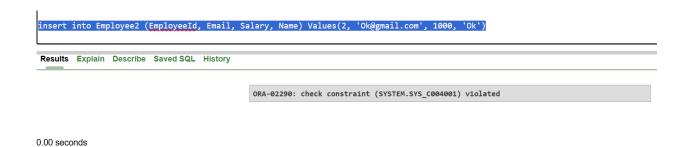
Table created.

0.00 seconds

2. **Add Not NULL Constraint to Name Column and Try to insert without name**

```
create table Employee2(EmployeeId int Primary Key, Email varchar2(30) Unique, Salary int Check(Salary>10000))
Alter Table Employee2 Add Name Varchar2(20) NOT NULL
insert into Employee2 (EmployeeId, Email, Salary) Values(1, 'Vansh@gmail.com', 20000)
```

Results  Explain  Describe  Saved SQL  History

Table altered.

0.00 seconds

```
create table Employee2(EmployeeId int Primary Key, Email varchar2(30) Unique, Salary int Check(Salary>10000))
Alter Table Employee2 Add Name Varchar2(20) NOT NULL
insert into Employee2 (EmployeeId, Email, Salary) Values(1, 'Vansh@gmail.com', 20000)
```

Results  Explain  Describe  Saved SQL  History

ORA-01400: cannot insert NULL into ("SYSTEM"."EMPLOYEE2"."NAME")

0.01 seconds

## 3. Add Status Column with DEFAULT Value as "Active"

```
Alter Table Employee2 Add Status Varchar2(20) DEFAULT 'Active'

insert into Employee (EmployeeId, Email, Salary, Name) Values(1, 'Vansh@gmail.com', 20000, 'Vansh')

Select * from Employee
```

**Results** Explain Describe Saved SQL History

Table altered.

0.00 seconds

```
Alter Table Employee2 Add Status Varchar2(20) DEFAULT 'Active'

insert into Employee2 (EmployeeId, Email, Salary, Name) Values(1, 'Vansh@gmail.com', 20000, 'Vansh')

Select * from Employee2
```

**Results** Explain Describe Saved SQL History

| EMPLOYEEID | EMAIL | SALARY | NAME | STATUS |
|---|---|---|---|---|
| 1 | Vansh@gmail.com | 20000 | Vansh | Active |

1 rows returned in 0.00 seconds   CSV Export

## 4. Insert Record with Salary less than 10000 and check constraints

```
insert into Employee2 (EmployeeId, Email, Salary, Name) Values(2, 'Ok@gmail.com', 1000, 'Ok')
```

**Results** Explain Describe Saved SQL History

ORA-02290: check constraint (SYSTEM.SYS_C004001) violated

0.00 seconds

**5. Insert 2 Employee Details with same emailId to check Unique Constraint**

```
insert into Employee2 (EmployeeId, Email, Salary, Name) Values(3, 'Someone@gmail.com', 20000, 'Someone')
insert into Employee2 (EmployeeId, Email, Salary, Name) Values(4, 'Someone@gmail.com', 20000, 'Rohit')
```

**Results** Explain Describe Saved SQL History

1 row(s) inserted.

0.00 seconds

```
insert into Employee2 (EmployeeId, Email, Salary, Name) Values(3, 'Someone@gmail.com', 20000, 'Someone')
insert into Employee2 (EmployeeId, Email, Salary, Name) Values(4, 'Someone@gmail.com', 20000, 'Rohit')
```

**Results** Explain Describe Saved SQL History

ORA-00001: unique constraint (SYSTEM.SYS_C004003) violated

0.00 seconds