ASSIGNMENT-1

DBMS LAB-1

***Ct2022503003:***

**1. Create the table with the constraint specified**

create table employee\_2022503003

(emp\_no number(5) primary key,

first\_name char(30) not null,

last\_name varchar(30) not null,

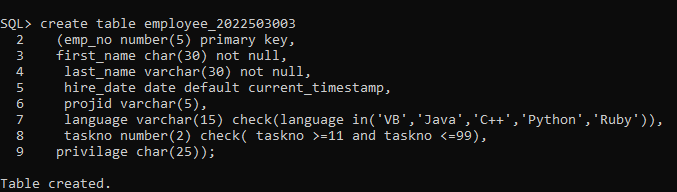
hire\_date date default current\_timestamp,

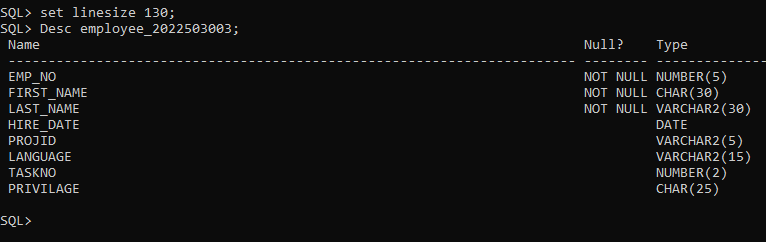
projid varchar(5),

language varchar(15) check(language in('VB','Java','C++','Python','Ruby')),

taskno number(2) check( taskno >=11 and taskno <=99),

privilage char(25));





**2. Insert the values using static and dynamic method.**

Static:

insert into employee\_2022503003 values(201,'gupta','surav',to\_date('01/01/95','mm/dd/yy'),'NPR','VB',52,'secret');

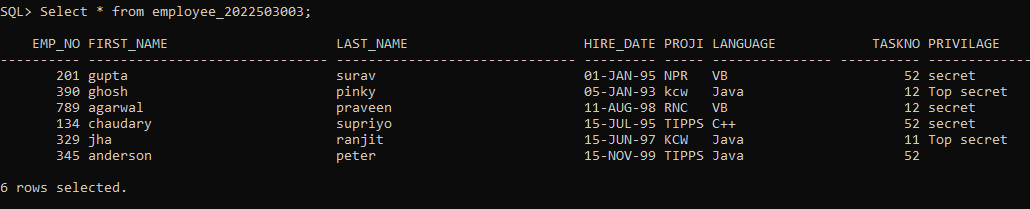
insert into employee\_2022503003 values(390,'ghosh','pinky',to\_date('01/05/93','mm/dd/yy'),'kcw','Java',12,'Top secret');

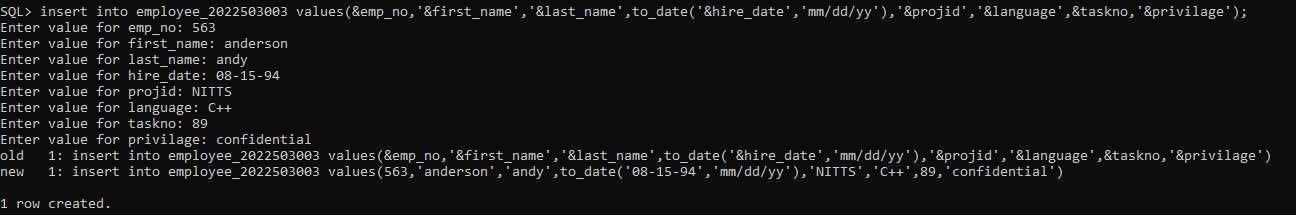
insert into employee\_2022503003 values(789,'agarwal','praveen',to\_date('08/11/98','mm/dd/yy'),'RNC','VB',12,'secret');

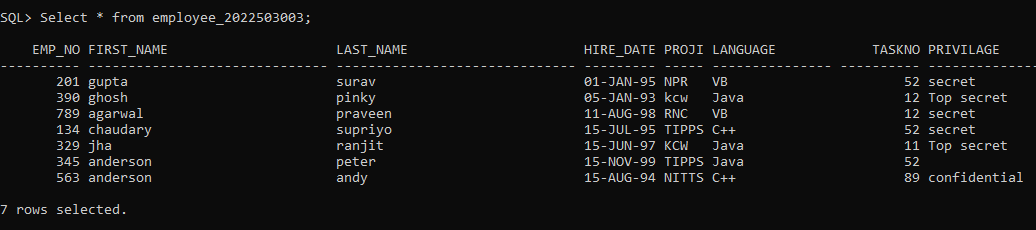
insert into employee\_2022503003 values(134,'chaudary','supriyo',to\_date('07/15/95','mm/dd/yy'),'TIPPS','C++',52,'secret');

insert into employee\_2022503003 values(789,'jha','ranjit',to\_date('06/15/97','mm/dd/yy'),KCW','Java',11,'Top secret');

insert into employee\_2022503003 values(345,'anderson','peter',to\_date('11/15/99','mm/dd/yy'),'TIPPS','Java',52,);



Dunamic:



**3. Insert an employee with**

**EmpNo 896, Last Name=’Dilip’ FirstName=’Kumar’ HireDate=’08-**

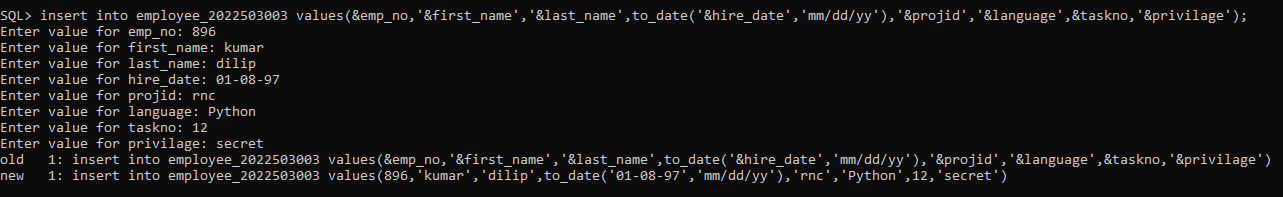
**JAN-1997’**

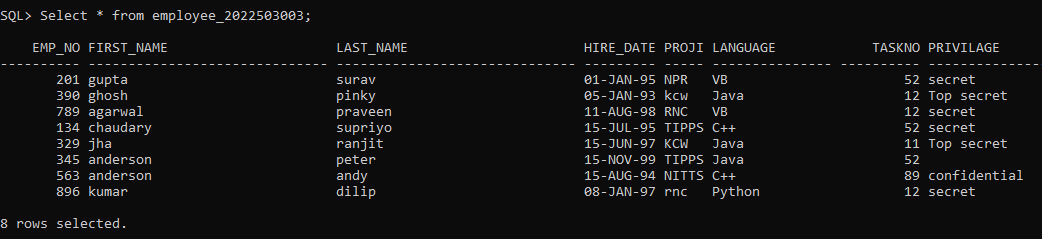
**projid=’Rnc’**

**Language=Python**

**TaskNo=12**

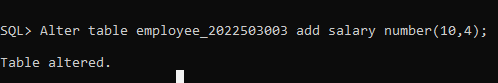
**Privilige=secret.**

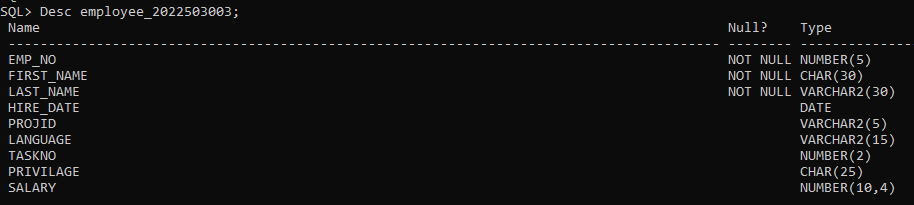
**Check the integrity constraint violation and report the same.**



**4. Add the column salary. Max size 10 and 4 places of decimal**

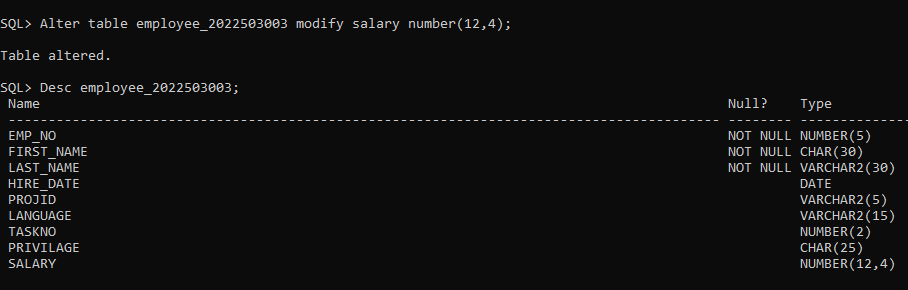
Alter table employee\_2022503003 add salary number(10,4);





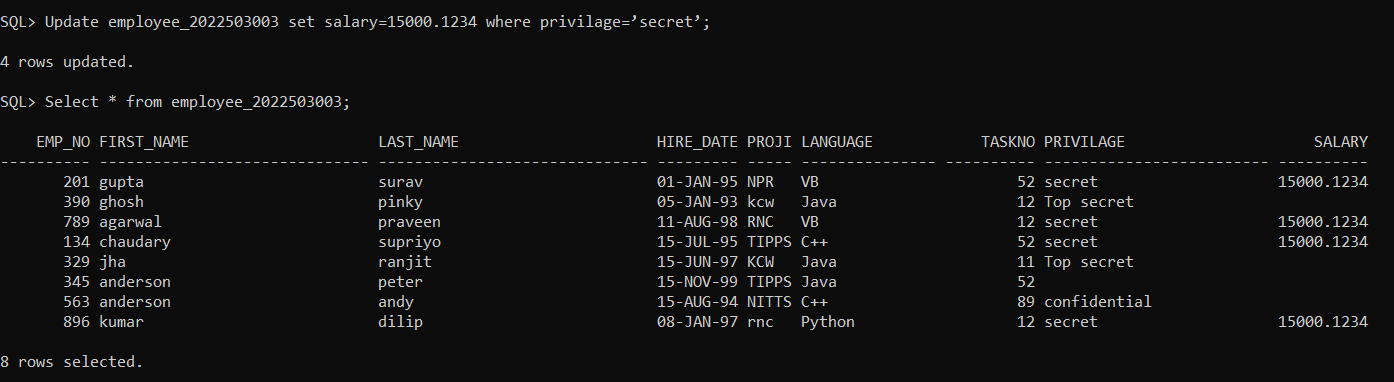
**5. Modify the column salary. Max size is 12 and 4 places of decimal**

Alter table employee\_2022503003 modify salary number(12,4);

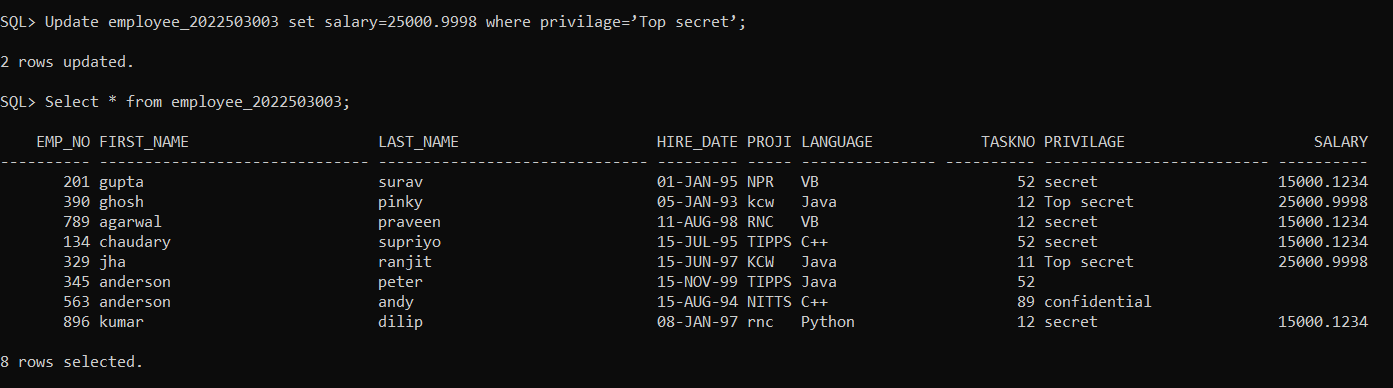


**6.update column slaary based on privilage**

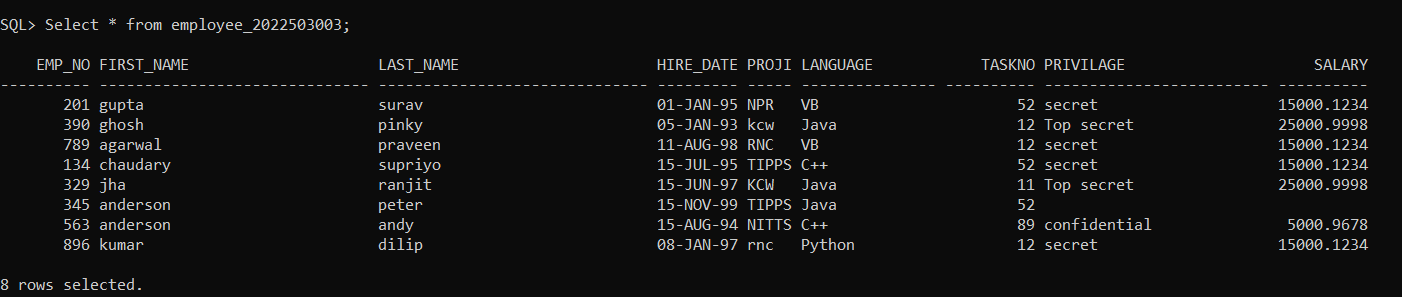
Update employee\_2022503003 set salary=15000.1234 where privilage=’secret’;



Update employee\_2022503003 set salary=25000.9998 where privilage=’Top secret’;



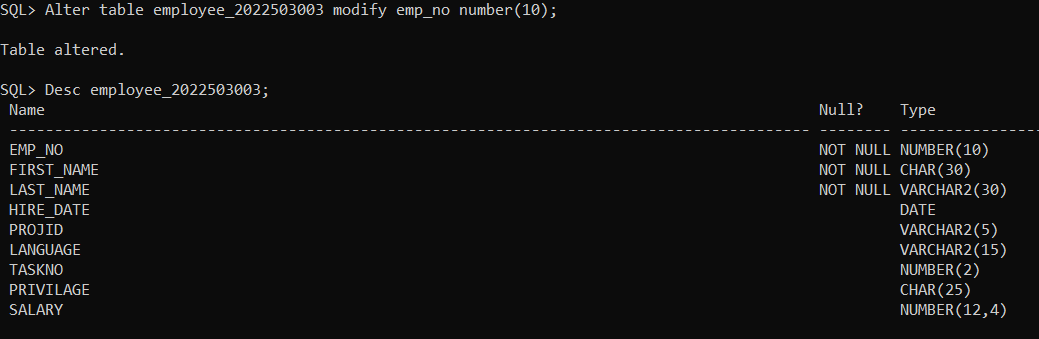
Update employee\_2022503003 set salary=5000.9678 where privilage=’confidential’;



**7. Modify the column EmpNo. Change the maximum size to 10. Report if**

**any error occurs.**

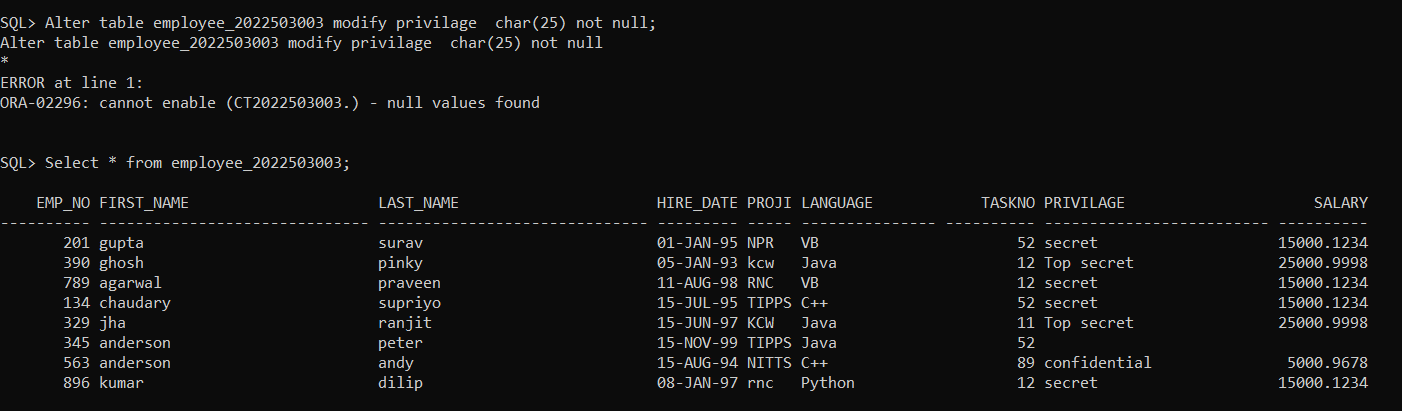
Alter table employee\_2022503003 modify emp\_no number(10);



**8. Modify the column Privilege. Set the constraint as NOT NULL. Report**

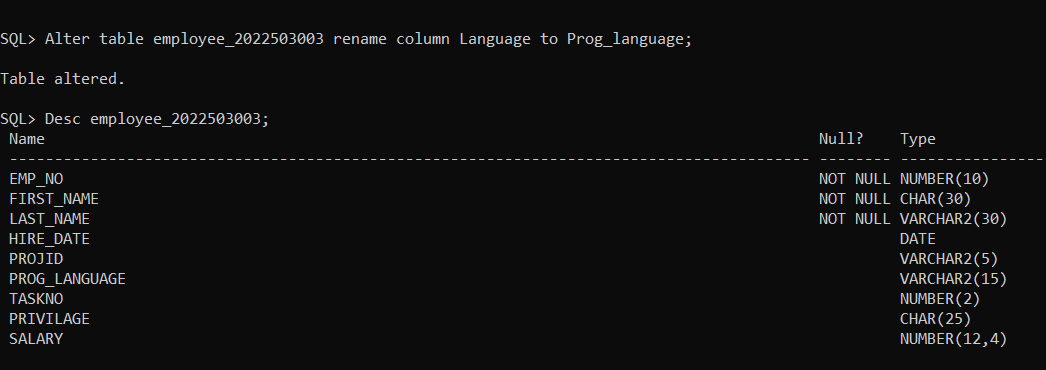
**if any error occurs.**

Alter table employee\_2022503003 modify privilage char(25) not null;



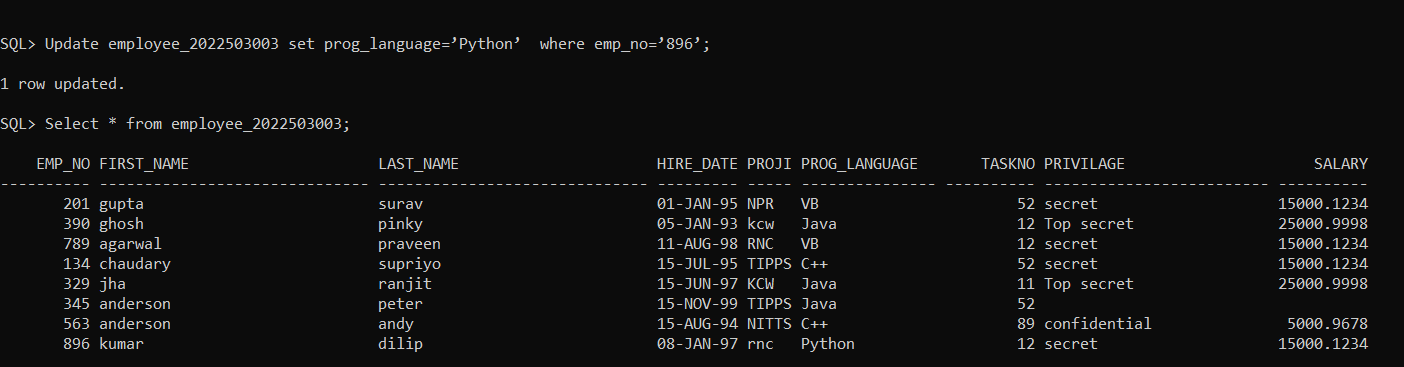
**9.Rename the column Language to Prog\_language.**

Alter table employee\_2022503003 rename Language to Prog\_language;



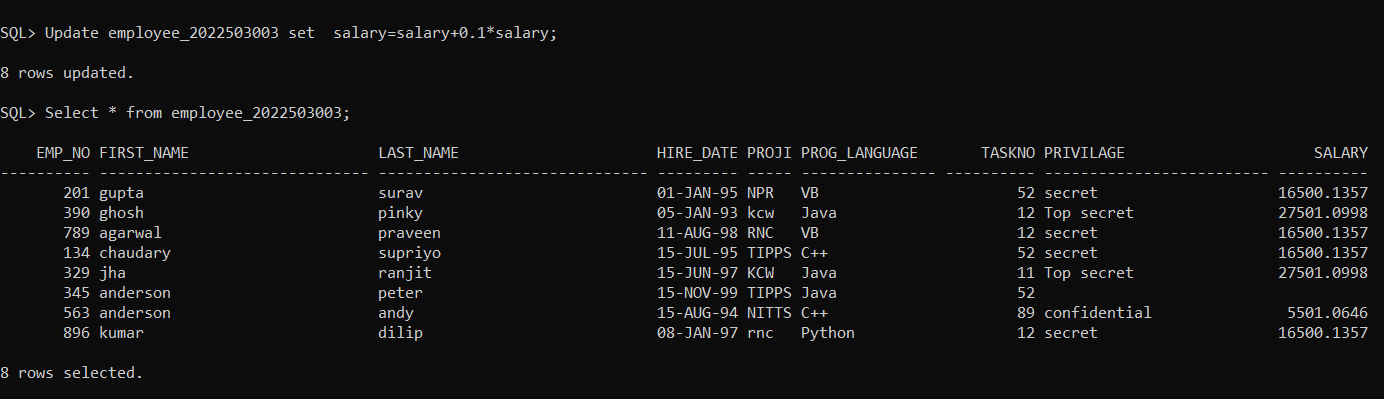
**10.Update the language for an employee with EmpNo 896 to "Python"**

Update employee\_2022503003 set prog\_language =’Python’ where emp\_no=’896’;



**11. Increase the salary of all employees by 10%**

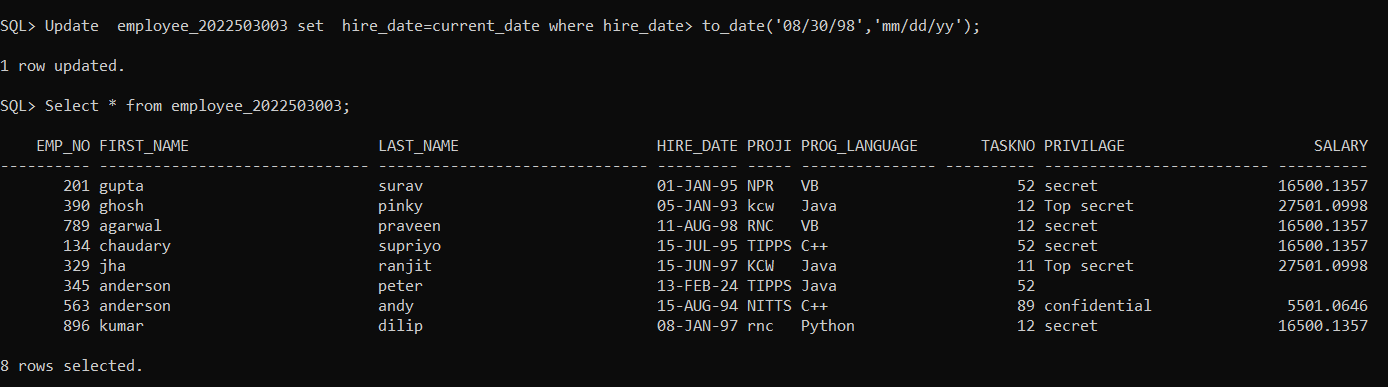
Update employee\_2022503003 set salary=salary+0.1\*salary;



**12. Set the hire date to the current date for all employees hired after**

**08/30/98**

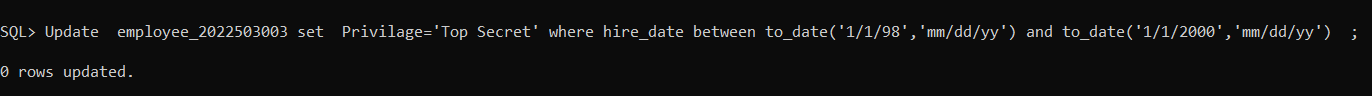
Update employee\_2022503003 set hire\_date=current\_date where hire\_date> to\_date(‘08/30/98’,’mm/dd/yy’);



**13. Update the Privilege to Top Secret for employees hired between**

**1/1/98 to 1/1/2000**

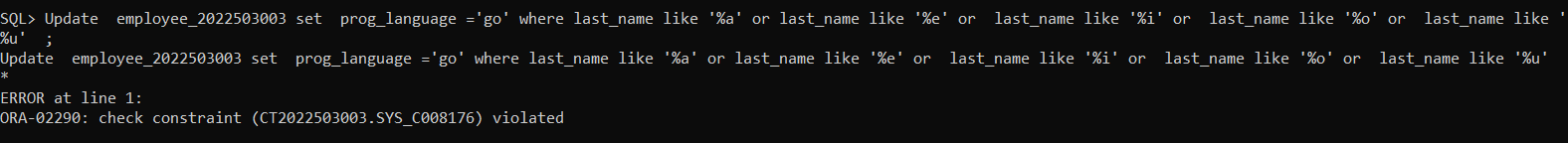
Update employee\_2022503003 set Privilege =’Top Secret’ where hire\_date between to\_date(‘1/1/98,’mm/dd/yy’) and to\_date(‘1/1/2000,’mm/dd/yy’) ;



**14.Update the Language for employees whose last names contains vowels**

**to "Go":**

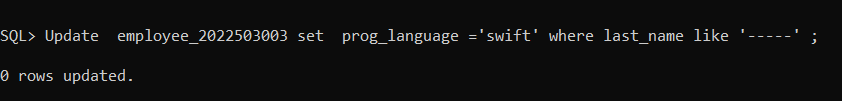
Update employee\_2022503003 set prog\_language ='go' where last\_name like '%a' or last\_name like '%e' or last\_name like '%i' or last\_name like '%o' or last\_name like '%u' ;



**15.update the Language column to "Swift" for rows where the**

**LastName column has a length of exactly 5 characters.**

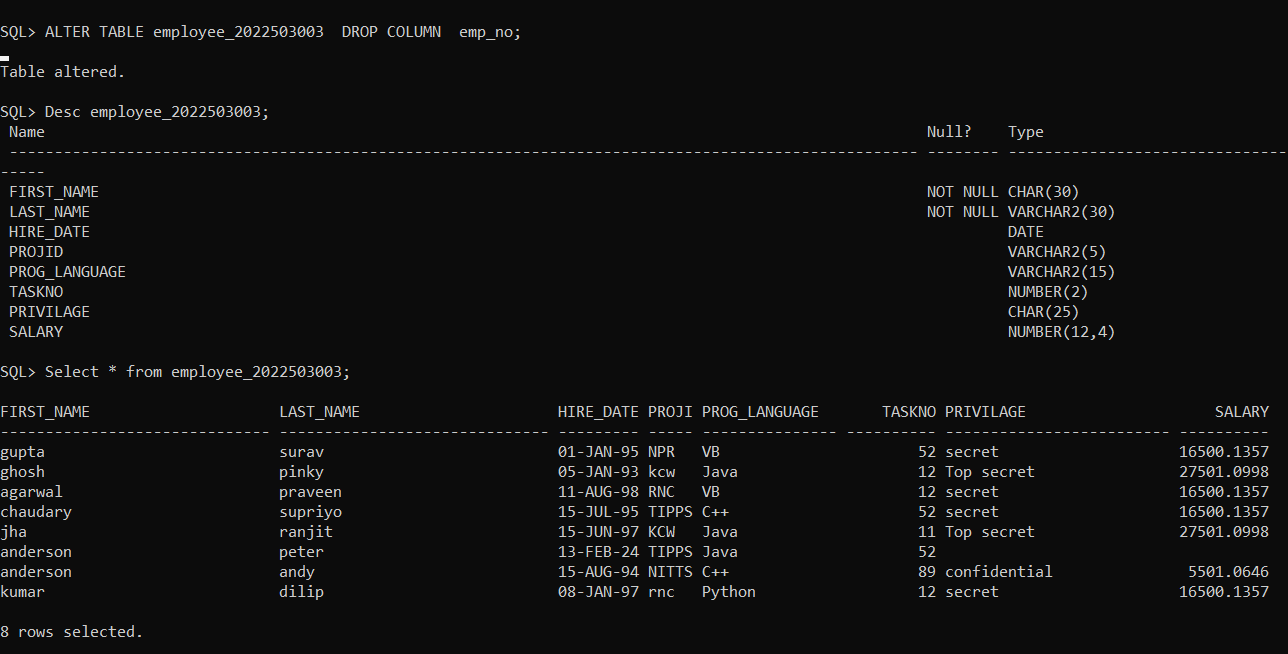
Update employee\_2022503003 set prog\_language ='swift' where last\_name like '-----' ;



**16.Drop the column EmpNo. Check the integrity constraint violation and**

**report the same.**

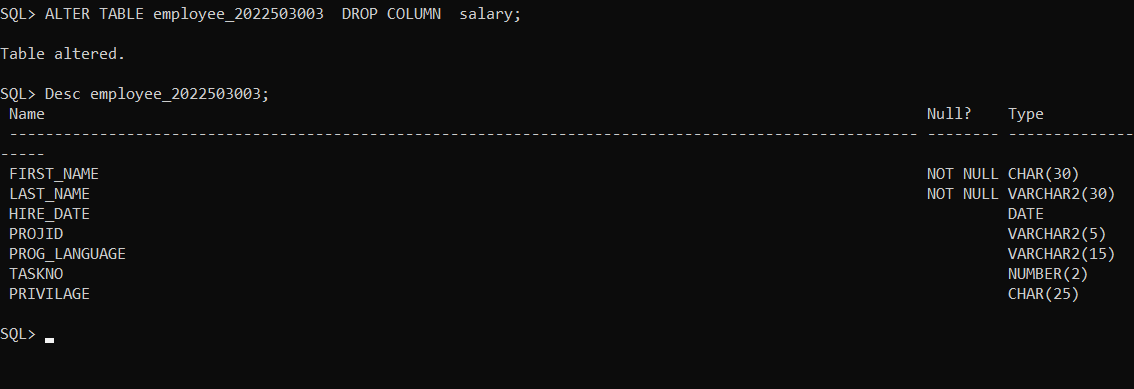
ALTER TABLE employee\_2022503003 DROP COLUMN emp\_id;



**17.The column salary in the PROGRAMMER Table is no longer needed.**

**Delete the column.**

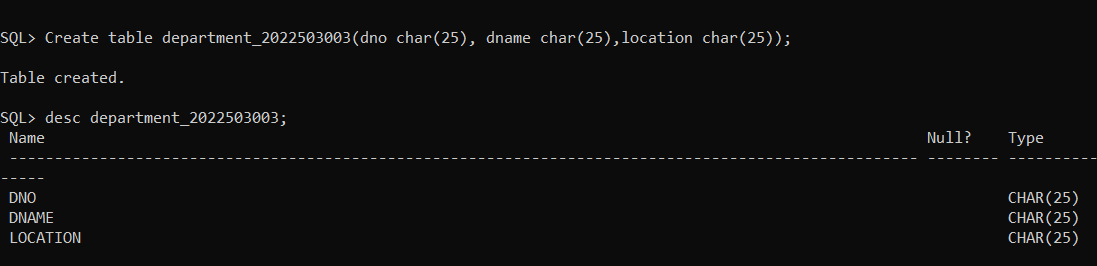
ALTER TABLE employee\_2022503003 DROP COLUMN salary;



**18. Create a table Department with Dno(character type), dname**

**(character of 25) , location (character of 25)**

Create table department\_2022503003(dno char(25), dname char(25),location char(25));

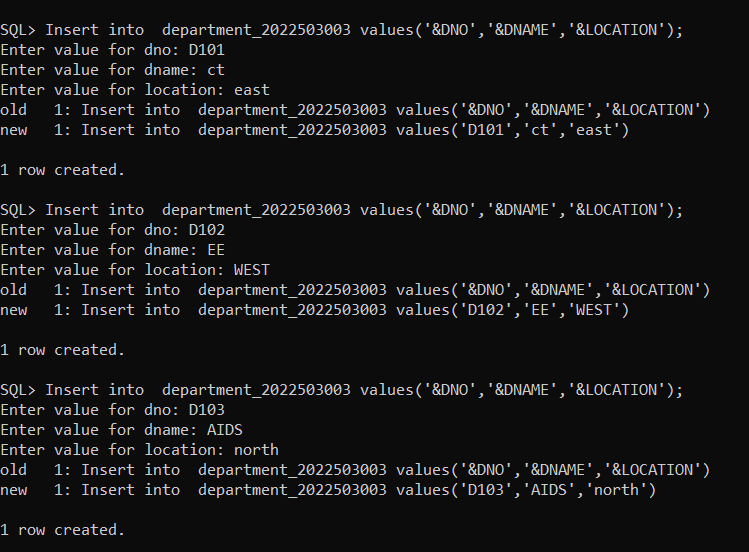


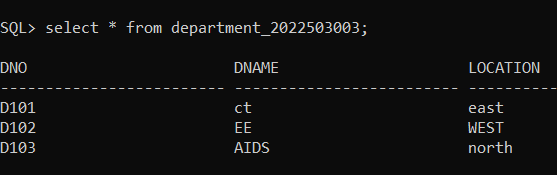
**19. Insert three rows with dno D101, D102, D103 and include other field**

**values as your choice.**

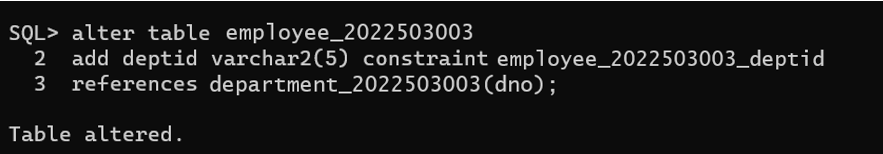
Dynamic:

Insert into department\_2022503003 values('&DNO','&DNAME','&LOCATION');





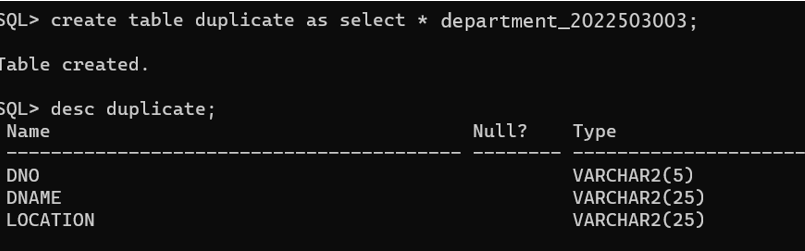
**20. Add a column deptid in the programmer table as foreign key.**

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**22. Create a duplicate table with the same structure and data**

**Hint: create table new\_table as select \* from existing\_table;**

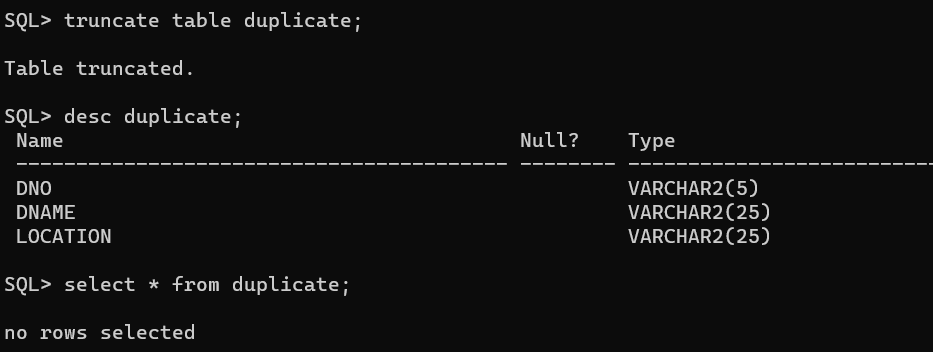
Create table duplicate as select \* department\_2022503003;

****

**23. Delete all the entries in the table but retain the structure of**

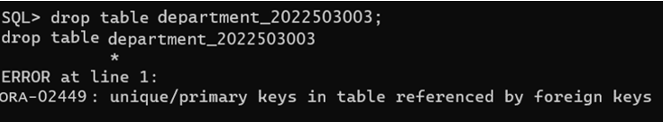
**the table.**

Truncate table duplicate;



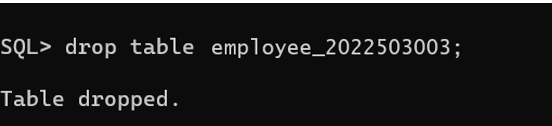
**24.Drop the table Department as it not needed. Report if any constraint violation occurs.**

Drop table department\_2022503003;



**25.Drop the table programmer as it not needed. Report if any constraint violation occurs**

drop table employee\_2022503003;



x.SELECT:

Desc employee\_2022503003;

Select \* from employee\_2022503003;