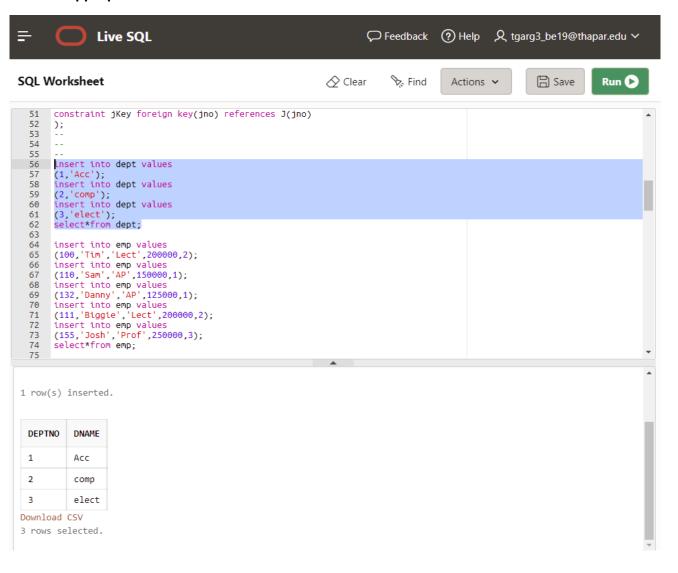
```
Name:- Tanmay Garg
Roll No. - 101915001
Batch - 3ENC1
Create tables
1. Create table dept which has the following attributes (department table)
(@deptno, dname)
Where deptno is primary key, dname in (Acc, comp, elect)
create table dept(
deptno int,
dname varchar (15),
constraint deptKey primary key(deptno),
constraint checkDept check(dname='Acc' or dname='comp' or dname='elect')
);
2. Create table emp which has the following attributes (employee table)
(@empno, ename, Designation, sal, deptno)
Where empno is primary key, ename is unique, designation (Prof, AP, and Lect), sal is not NULL, and deptno is foreign
key
create table emp(
empno int,
ename varchar (15),
designation varchar (15),
sal number not null,
deptno int,
constraint empKey primary key (empno),
constraint fkeyDept foreign key (deptno) references dept(deptno),
constraint checkDesig check (designation='Prof' or designation='AP' or designation='Lect'),
constraint uniqueEname unique(ename)
);
3. Create table S which has the following attributes (Salesperson table)
(@sno, sname, city)
Where sno is primary key
create table S(
sno int primary key,
sname varchar (15),
city varchar (15)
```

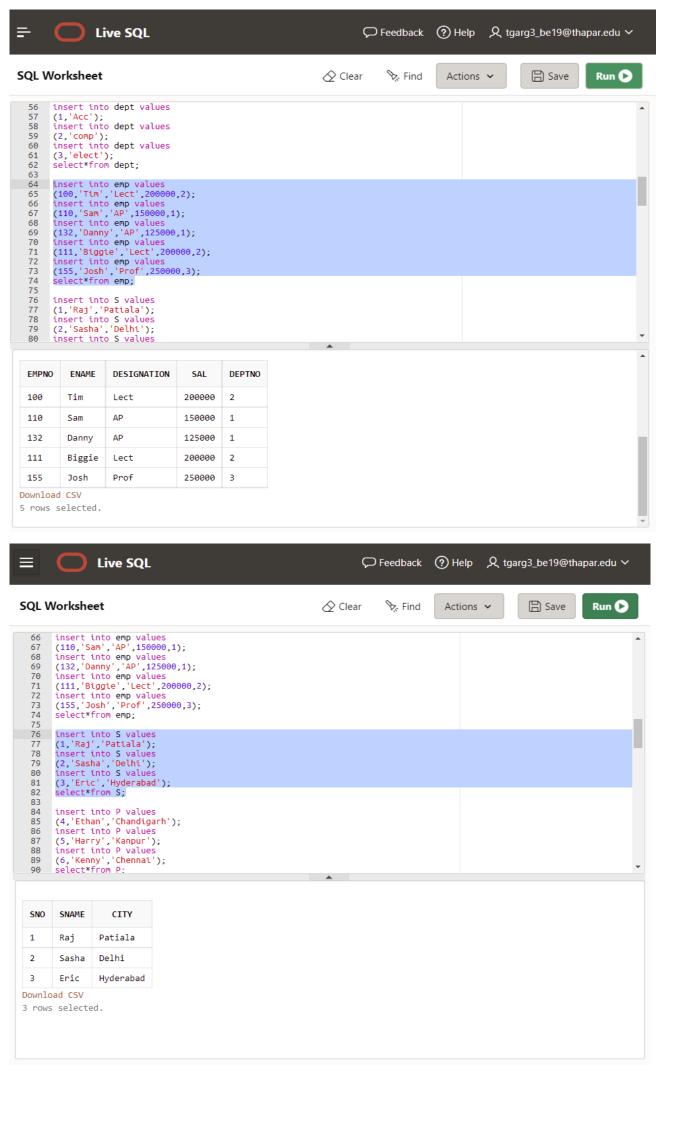
);

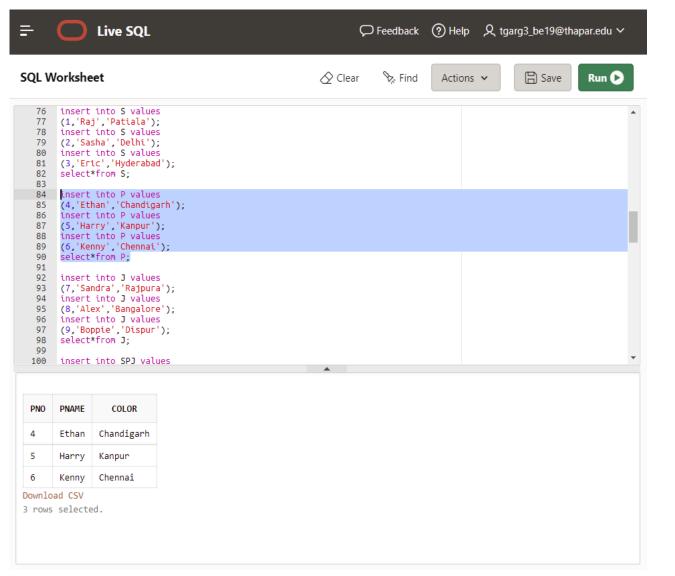
```
(@pno, pname, color)
Where pno is primary key
create table P(
pno int primary key,
pname varchar (15),
color varchar (15)
);
5. Create table J which has the following attributes (ProJect table)
(@jno, jname, city)
Where jno is primary key
create table J(
jno int primary key,
jname varchar (15),
city varchar (15)
);
6. Create table SPJ which has the following attributes
(@ (sno, pno, jno), qty)
Where combination of (sno, pno, jno) is primary key, also sno, pno, jno are foreign keys
create table SPJ(
qty int,
sno int,
pno int,
jno int,
constraint sKey foreign key (sno) references S (sno),
constraint pKey foreign key (pno) references P(pno),
constraint jKey foreign key(jno) references J(jno)
);
```

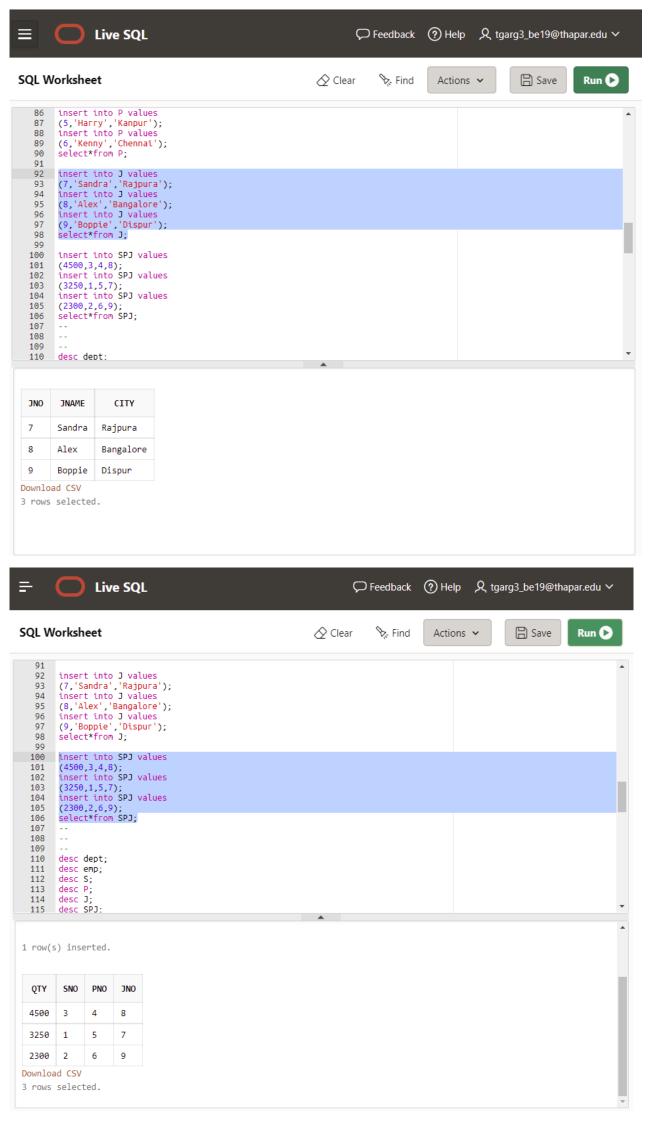
4. Create table P which has the following attributes (Part table)

2. Insert appropriate records in above tables.

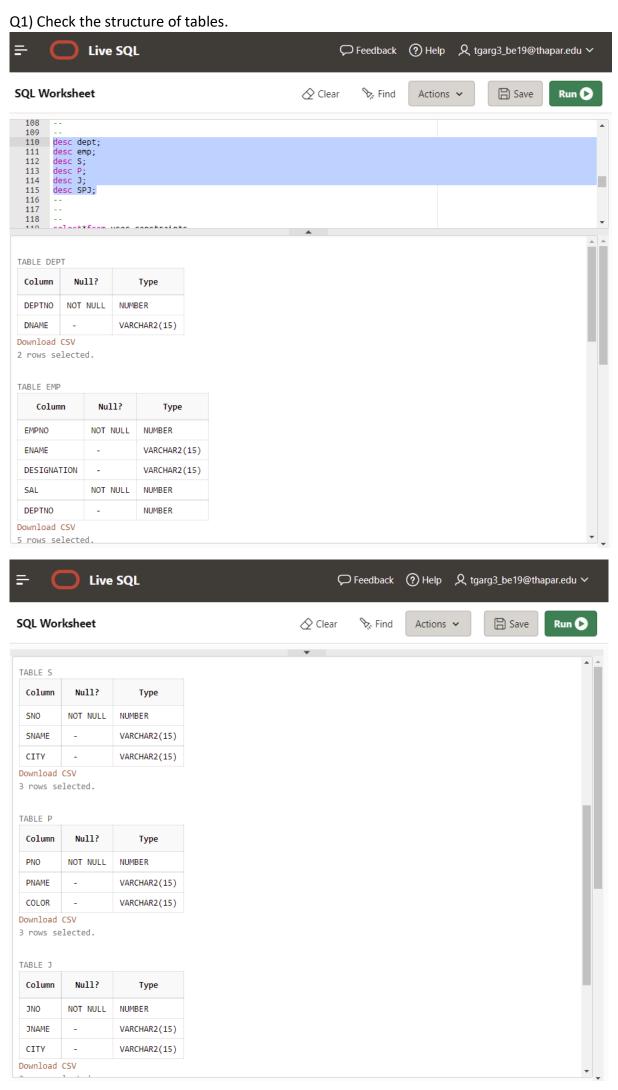


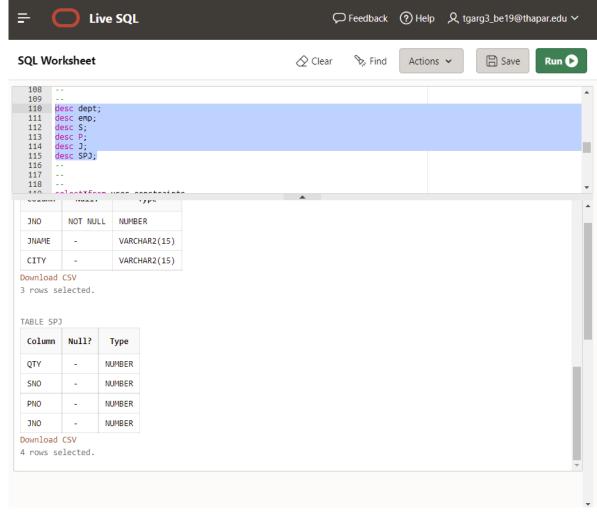




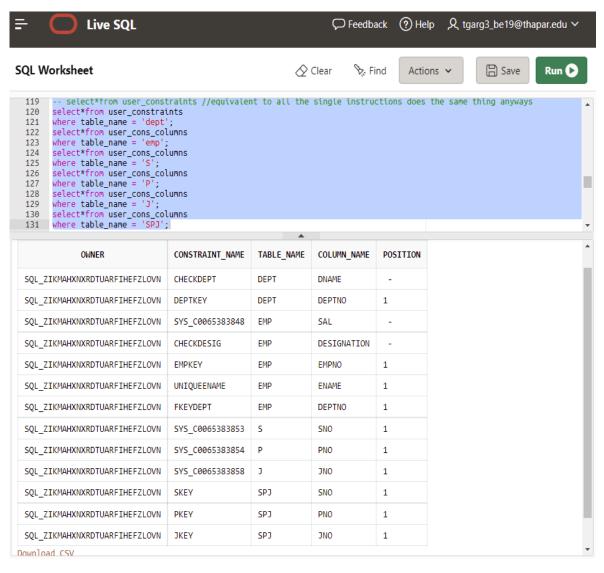


3. Manipulatiuons

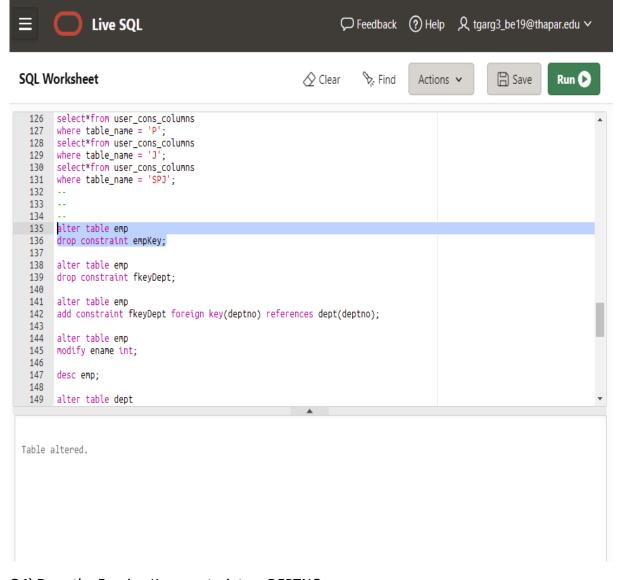




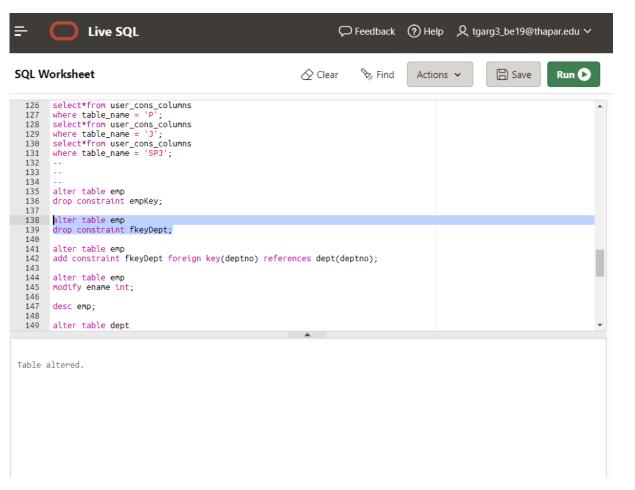
Q2) Check the constraint name for applied constraints?



Q3) Drop the unique constraint on ENAME



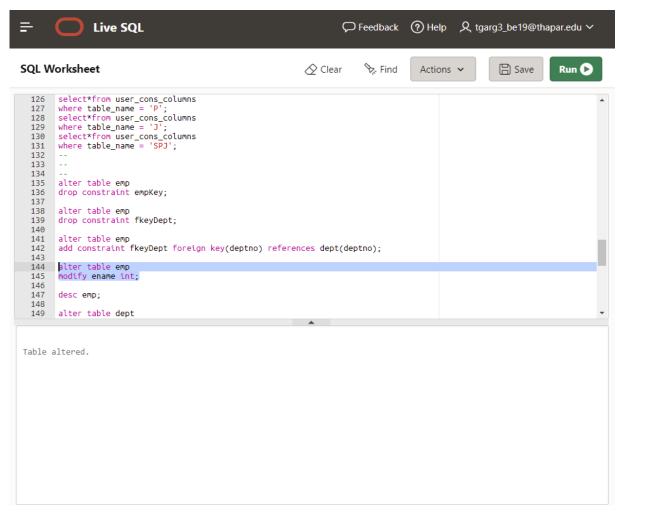
Q4) Drop the Foreign Key constraint on DEPTNO

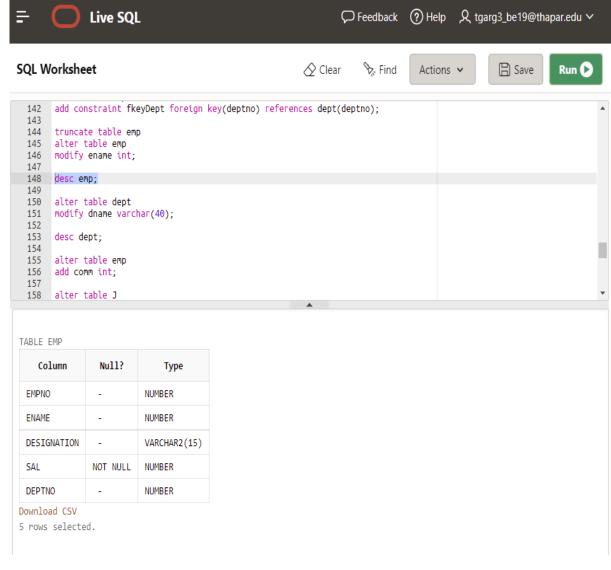


Q5) Add Foreign Key constraint on DEPTNO

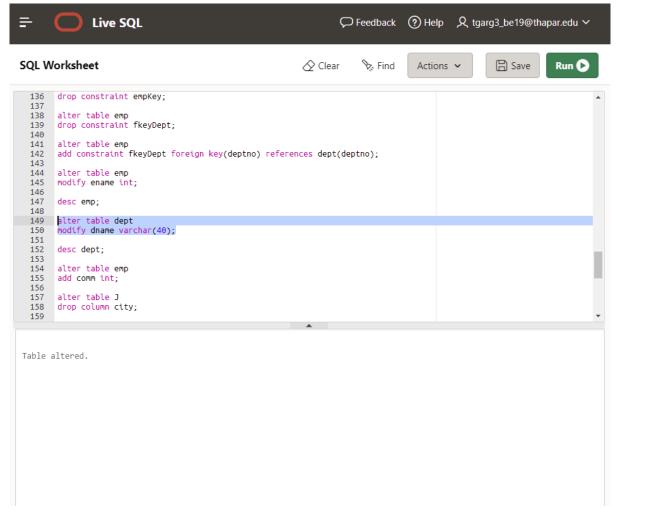
```
Live SQL
                                                                              Feedback ? Help & tgarg3_be19@thapar.edu >
SQL Worksheet
                                                                     🦫 Find
                                                                                                 Actions v
                                                                                                                    □ Save
                                                                                                                                   Run 🗅
        select*from user_cons_columns
where table_name = 'P';
        select*from user_cons_columns
        where table_name = 'J';
select*from user_cons_columns
where table_name = 'SPJ';
  129
  130
  132
  133
        alter table emp
  135
  136
        drop constraint empKey;
  137
         alter table emp
  138
  139
        drop constraint fkeyDept;
  140
141
        alter table emp
add constraint fkeyDept foreign key(deptno) references dept(deptno);
  142
  143
144
        alter table emp
  145
        modify ename int;
  146
147
        desc emp;
  148
         alter table dept
  149
Table altered.
```

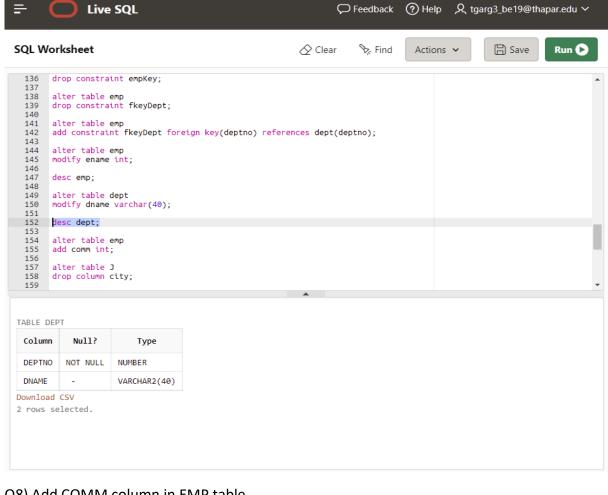
Q6) Change Data type of ENAME



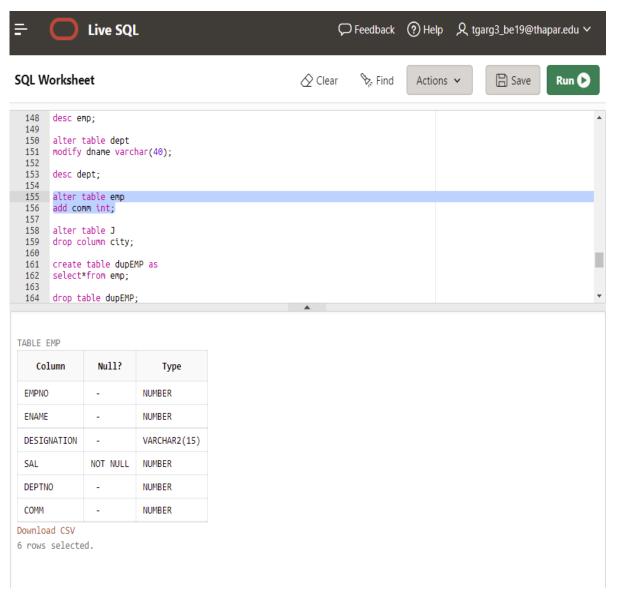


Q7) Change width of DNAME

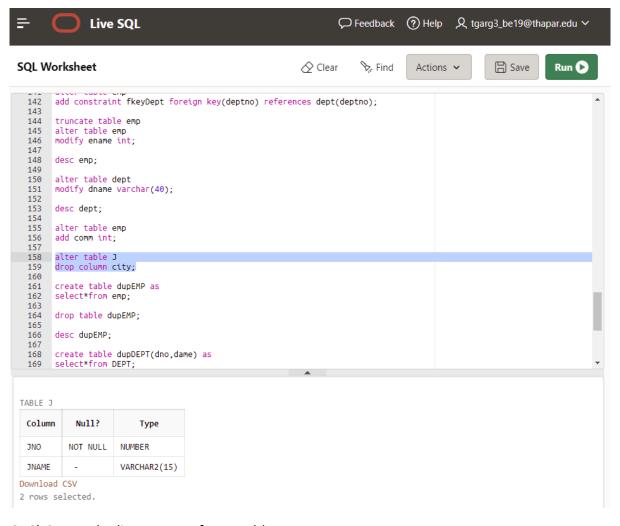




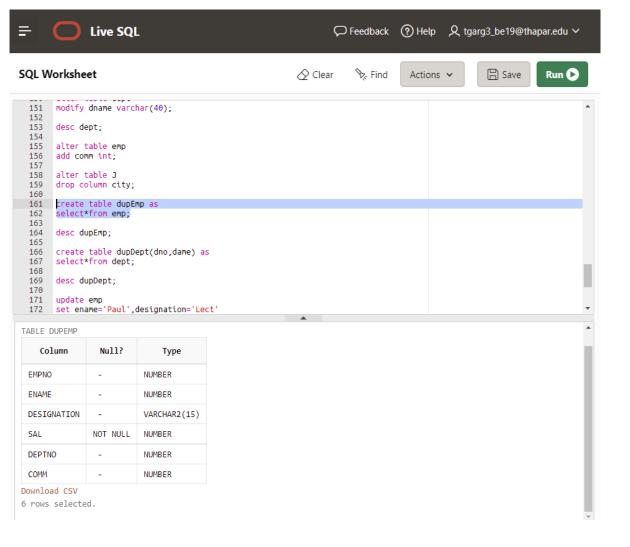
Q8) Add COMM column in EMP table



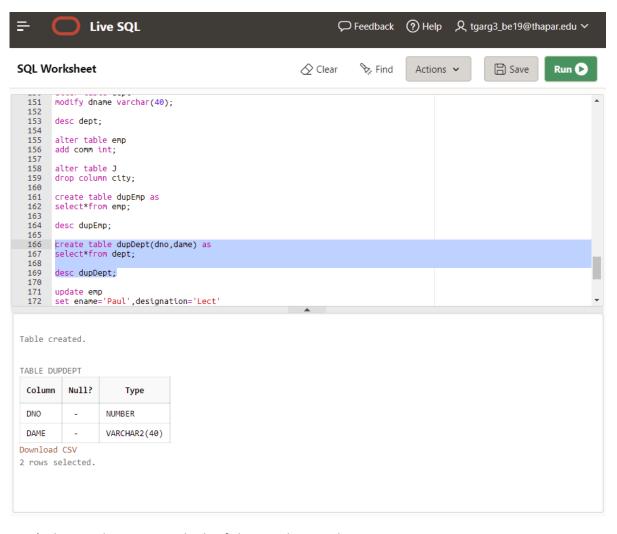
Q9) Drop CITY column from J table



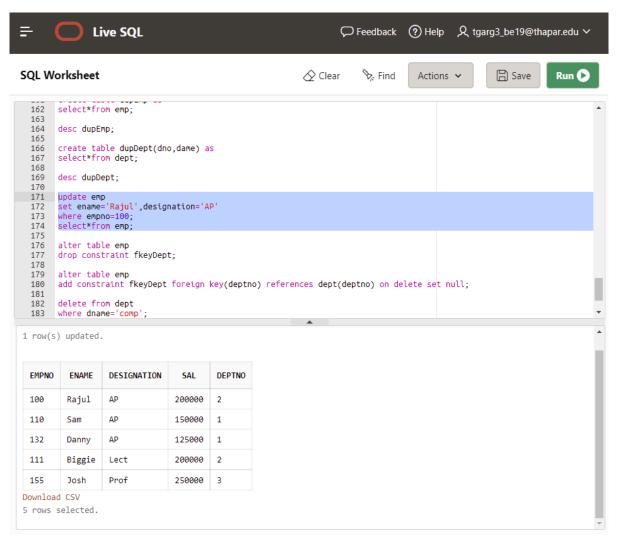
Q10) Create duplicate copy of EMP table



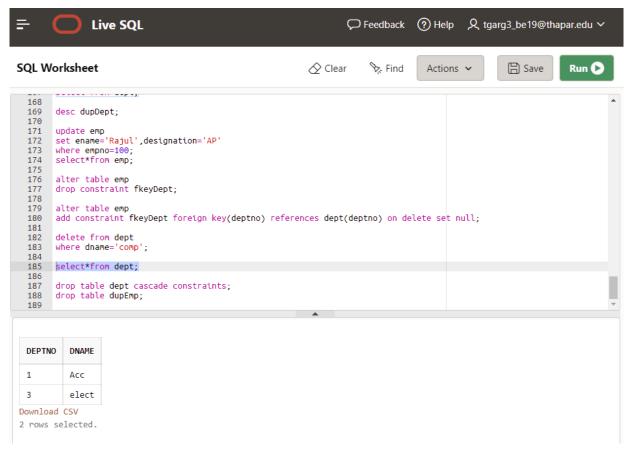
Q11) Copy structure of DEPT table in another table with different column names



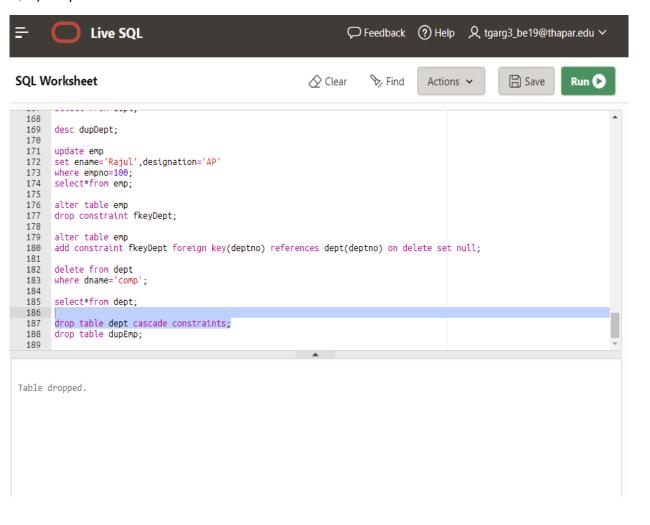
Q12) Change the name and job of the employee whose EMPNO =100



Q13) Delete the record of employee who belong to computer department



Q14) Drop DEPT Table



Q15) Drop duplicate table of EMP table

