Name- Yash Jain

Course- B.Tech (H.)- CSE- 2nd Yr- III sem

RollNo-31

University RollNo- 2215800033

Assignment-2 DBMS

1. Create the following tables and specify constraints at the time of creation

Department

be par timent					
Column	Data	Size	Constraint		
Name	Type				
Deptno	number	3	primary key		
Dname	varchar2	20	20 Unique		
Location	varchar2	20	not null, department are located in Delhi, Pune,		
			Agra		



Employee

Column	Data	Size	Constraint	
Name	Type			
Empno	varchar2	5	primary key, should start with 'E'	
Ename	varchar2	20	Unique	
Designation	varchar2	20	not null	
Salary	number	10	default 25000, must lie between 15000 and	
			50000	
DOB	date		not null	
Dno	number	3	foreign key (references department)	

```
SQL Worksheet

Q Clear Find Actions Run Canada Company Registration (Springer)

Create table Employee(EmpNo varchar(5) primary key check(EmpNo like 'E%'),

Ename varchar(20) unique,

Designation varchar(20) not null,

salary number(10) default 25000 check(salary>=15000 and salary <=50000),

DOB date not null,

Dno number(3) references department

7
```

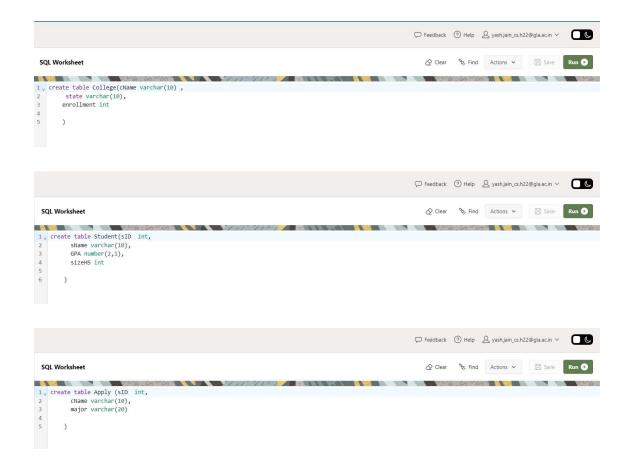
Candidate

Column Name	Data type	Size	Constraints
Candidate_ID	Number	6	Primary key of the table
Candidate_Name	Varchar2	20	Not Null
Candidate_Email	Varchar2	30	Unique, Must have '@' followed by '.' in between the email
Candidate_Dept	Varchar2	2	Default 'HR'
Manager_ID	Number	6	It can take only those values which are present in Candidate ID column



2. Create the schemas as specified above without specifying any constraints.

Table Creation:



1. Add cName as Primary key in College.



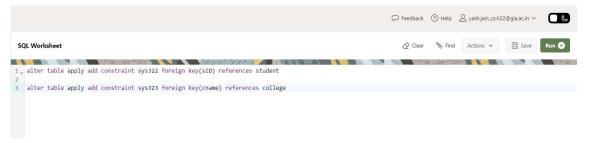
2. Add sID as Primary key in Student.



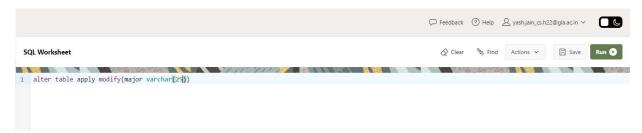
3. Add sID, cName, major as Primary key in Apply.



4. Make sID in Apply foreign key referring table student and cName referring table college.



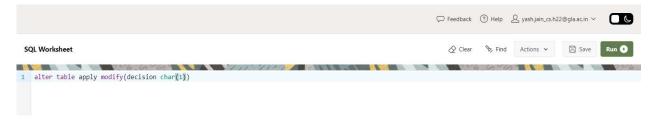
5. Increase data type size of major from 20 to 25.



6. Add a new column decision in the Apply table keeping a constraint of not null for this column with data type varchar2(3).



7. Change data type of decision in Apply to char(1).



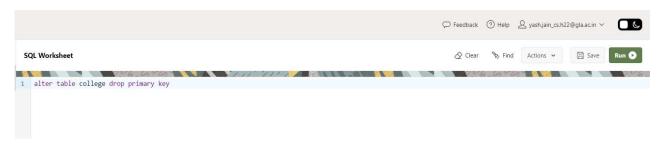
8. Drop foreign key on column name cName from Apply table.



9. Remove column sizeHS from Student table.



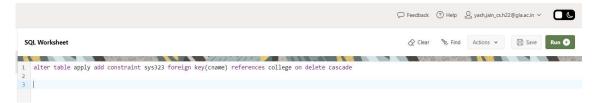
10. Drop primary key from College



11. Make cName, major unique pairwise such as Stanford CS, Stanford EE.



12. Add cName as Foreign Key in Apply table referring table College using on delete cascade.



13. Modify foreign key on sID in Apply table to foreign key on delete set null.



14. Rename column enrollment to enroll in College Table.

