1. Create a new database “Enterprise Employment agency (EEA)”.

*Create database EEA;*

*Use EEA;*

1. Create the Candidate and Personal\_information table and include attributes:
2. Add Key attribute to the two tables Application# is the key attribute for Candidate table and city+Zip\_code for the Personal\_information table.

*In candidate table*

*Application# Integer Primary Key;*

*In PI table*

*City char(20);*

*Zip integer;*

*Primary Key(city, zip);*

1. Add constraints that *phone number* should not left blank, *Gender* can have values Male or Female and *paypackage* should be greater than 0.

*Phoneno integer NOT NULL;*

*Check gender IN(‘M’,’F’)*

*Check(paypackage>0)*

1. Insert few tuples in the above relations.
2. All Zip code of 25001 needs to be changed to 25011.Use Find and replace to make this change in the database.

*Update PI set zip=25022 where zip=25001;*

1. Delete all the records corresponding to state Maryland from the personal information table.

*Delete from PI where state=’Markland’;*

1. Modify the Candidate table, add a column named CTC (integer).

*Alter table candidate add ctc integer;*

1. Display the Name from the candidate relation that starts with “MA”.

*Select name from candidates where fname like ‘MA%’;*

1. How many candidates got placed in August, 2020.

*Select count(\*) from candidates where hdate between ‘2020-08-01’ and ‘2020-08-31’;*

1. Display the last name, employer name and pay for all persons who got the job of a Developer or an Analyst, and pay is not equal to Rs 4,500, Rs 10,000, or Rs15,000.

*Select name, employer, paypackage from candidates where designation in(‘developer’,’ánalyst’) and paypakage NOT IN(4500,10000,15000);*

1. Display the last name of person having 'e' as the third character.

*Select name from candidates where name like ‘—e%’;*

1. Display the name of candidates employed by *ABC pharma* having package 60000 or 80000.

*Select name from candidates where employer=’ABC Pharma’ and paypackage IN(6000,8000);*

1. List the personal information of the candidates who have registered with Enterprise Employment agency in alphabetical order.

Select \* from PI order by First\_name;

1. List the employers in the candidate table avoiding duplicacy.

*Select distinct employer from candidates;*

1. Display the number of registered persons state wise.

*Select count(\*) from PI group by state;*

1. Display the states where more than 10 persons have filled the applications.

*Select \* from PI group by state having count(state)>10;*

1. Print the first names of candidates who are employed and have exactly five characters in their name.

*Select name from candidates where name like ‘-----‘;*

1. Display the name(s) of the candidates who are placed at the highest pay package.

*Select name, designation, max(paypackage) from PI where gender=’M’;*

1. List the name of companies who had given employment in January 2020 in which candidates CTC was more the 50000.

*Select employer from candidates where CTC>50000 and hiredate between ’2020-01-01’ and ’2020-01-31’;*

1. Display the females from New York having kaur in their names.

*Select \* from PI where gender=’F’and city=’Newyork’and name like ‘%kaur’;*

1. List the candidates who were hired in minimal time. (Hint: Minimum difference between Application\_date and Hire\_date

*Select name, min(datediff (hiredate, appdate)) from candidate;*