

Jaypee Institute of Information Technology

Database Systems & Web (15B11CI312)

Tutorial 5(SQL)

Write the SQL query for the following statements:

1. Create a new database "Enterprise Employment agency (EEA)".
2. Create the Candidate and Personal_information table and include attributes:

Candidate

Attribute	Data type
Application#	Integer
Application_date	Date
Name	Char
Designation	Char
Hire_date	Date
Employer	Char
Paypackage	Integer

Personal Information

Attribute	Data type
First_Name	Char
City	Char
State	Char

Zip_code	Integer
Phone	Integer
Gender	Integer

3. Add Key attribute to the two tables. Application# is the key attribute for the Candidate table and city+Zip_code for the Personal_information table.
4. Add constraints that *phone number* should not be left blank, *Gender* can have values Male or Female and *paypackage* should be greater than 0.
5. Insert a few tuples in the above relations.
6. All Zip code of 25001 needs to be changed to 25011. Use Find and replace to make this change in the database.
7. Delete all the records corresponding to state Maryland from the personal information table.
8. Modify the Candidate table, add a column named CTC (integer).
9. Display the name from the candidate relation that starts with "MA".
10. How many candidates got placed in August, 2020.
11. Display the name, employer 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.
12. Display the name of the person having 'e' as the third character.
13. Display the name of candidates employed by *ABC pharma* having package 60000 or 80000.
14. List the details of the candidates who have registered with Enterprise Employment agency in alphabetical order.
15. List the employers in the candidate table.
16. Display the number of registered persons state wise.
17. Display the states where more than 10 persons have filled the applications.
18. Print the candidates who are employed and have exactly five characters in their names.
19. Display the Males candidates and designations who are placed at the highest pay package.
20. List the names of companies who had given employment in January 2020 in which candidates CTC was more than 50000.

21. Display the females from New York having kaur in their names.
22. List the candidates who were hired in minimal time. (Hint: Minimum difference between Application_date and Hire_date)