

# Database system & web

## TUTORIAL 4

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1) CREATE DATABASE Enterprise Employment agency (EEA);

2) CREATE TABLE Candidate(

Application# Integer,

Applicate\_date Date,

Name varchar(20),

Designation varchar(10),

Hire\_date Date,

Employer varchar(10),

Paypackage Integer

);

CREATE TABLE Personal Information(

First\_Name varchar(20),

City varchar(10),

State Date,

Zip\_code Integer,

Phone Integer,

Gender Integer

);

3) ALTER TABLE Candidate

ADD PRIMARY KEY (Application#);

ALTER TABLE Personal Information

ADD CONSTRAINT P\_I PRIMARY KEY (city,Zip\_code);

4) ALTER TABLE Personal Information

MODIFY Phone Integer NOT NULL;

ALTER TABLE Personal Information

MODIFY Gender varchar(10);

ALTER TABLE Personal Information

ADD CHECK (Gender='Male' OR Gender='Female');

ALTER TABLE Candidate

ADD CHECK (Paypackage>0);

5) INSERT INTO Candidate (Application# ,Applicate\_date,Name ,Designation ,Hire\_date ,Employer,Paypackage)  
VALUES('1','2021-08-27','avni',Tech,'2021-09-26','abc','1,00,00,000');

INSERT INTO Candidate (Application# ,Applicate\_date,Name ,Designation ,Hire\_date ,Employer,Paypackage)  
VALUES('1','2021-08-22','xyz',Tech,'2021-09-28','abc','1,00,000');

INSERT INTO Personal Information (First\_Name,City,State,Date,Zip\_code,Phone ,Gender)  
VALUES('avni','ghaziabad','UP','2021-09-28','201005','9999999999','Female');

INSERT INTO Personal Information (First\_Name,City,State,Date,Zip\_code,Phone ,Gender)  
VALUES('xyz','ghaziabad','UP','2021-09-27','202010','8888888888','Male');

6) (TO find)

SELECT \* FROM Personal Information WHERE Zip\_code='250001';

(To Replace)

UPDATE TABLE Personal Information SET Zip\_code='25011' WHERE  
Zip\_code='250001';

7) DELETE FROM Personal Information  
WHERE State='Maryland';

8) ALTER TABLE Candidate ADD CTC Integer;

9) SELECT Name FROM Candidate  
WHERE Name='MA%';

10. Select Count(\*) FROM Candidate

WHERE Hire\_date BETWEEN '2020-08-01' AND '2020-8-31';

11 SELECT Name,Employer,Paypackage FROM Candidate

WHERE Designation = 'Developer' OR Designation='Analyst' AND Paypackage  
!='4500' AND Paypackage !='10000' AND Paypackage !='15000' ;

12) SELECT Name FROM Candidate  
WHERE Name='\_\_e%';

13) SELECT Name FROM Candidate

WHERE Employer='ABC' AND Paypackage='60000'AND Paypackage='80000';

- 14) SELECT \* FROM Candidate  
ORDER BY Name;
- 15) SELECT DISTINCT Employer  
FROM Candidates;
- 16) SELECT COUNT(First\_Name), State  
FROM Personal Information  
GROUP BY State;
- 17) SELECT State  
From Personal Information  
GROUP BY State  
WHERE COUNT(First\_Name)>10;
- 18) SELECT \* FROM Candidate  
WHERE LENGTH(Name)='5';
- 19) SELECT Name,Designation FROM Candidate  
WHERE Gender='Male'  
HAVING MAX(Paypackage);
- 20) SELECT \* FROM Candidate  
WHERE Hire\_date BETWEEN '2020-01-01' AND '2020-01-31' AND  
Paypackage>'50000';
- 21) SELECT \* FROM Personal Information  
WHERE Gender='Females' AND State='New York' And First\_Name='''%kaur%';
- 22) SELECT \* FROM Candidate  
HAVING MIN(DATEDIFF(Hire\_date, Application\_date));

