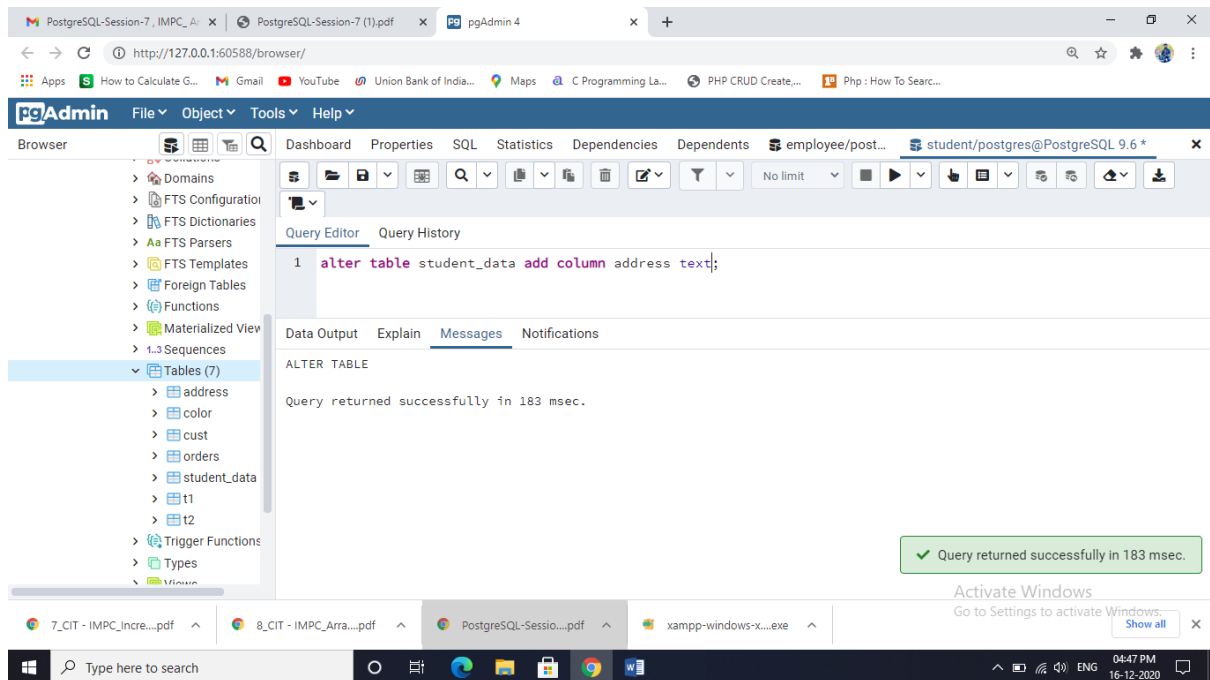


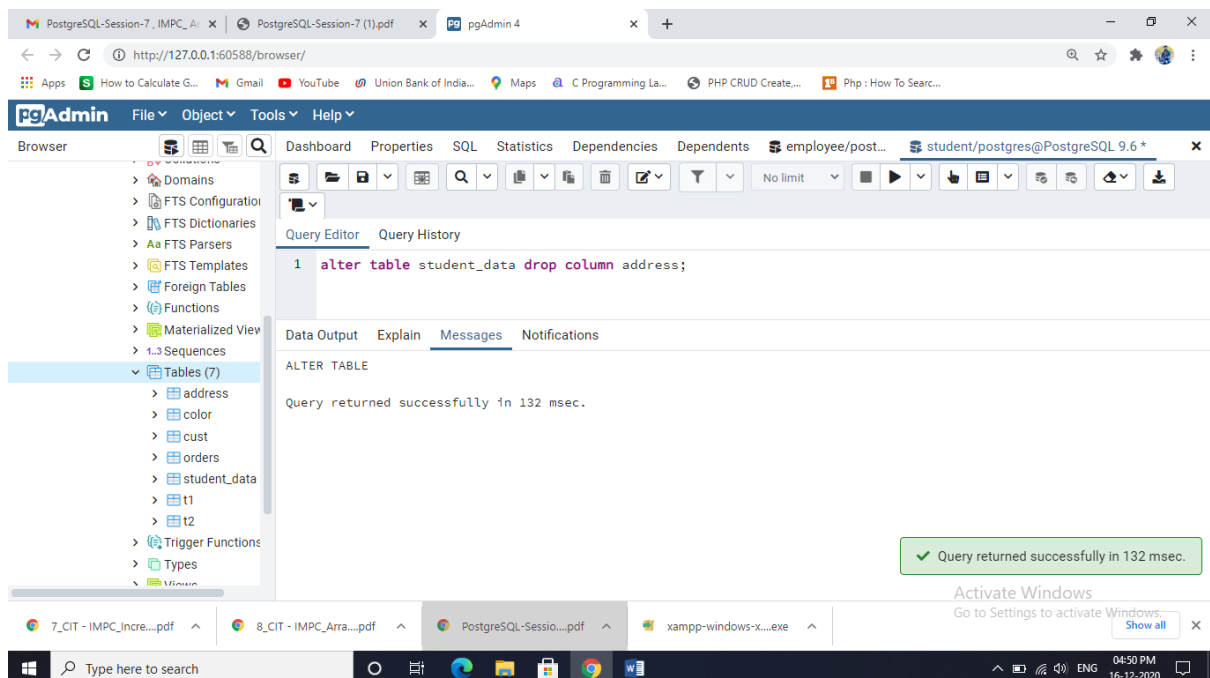
## Adding New Column

alter table student\_data add column address text;



## Drop Column

alter table student\_data drop column address;

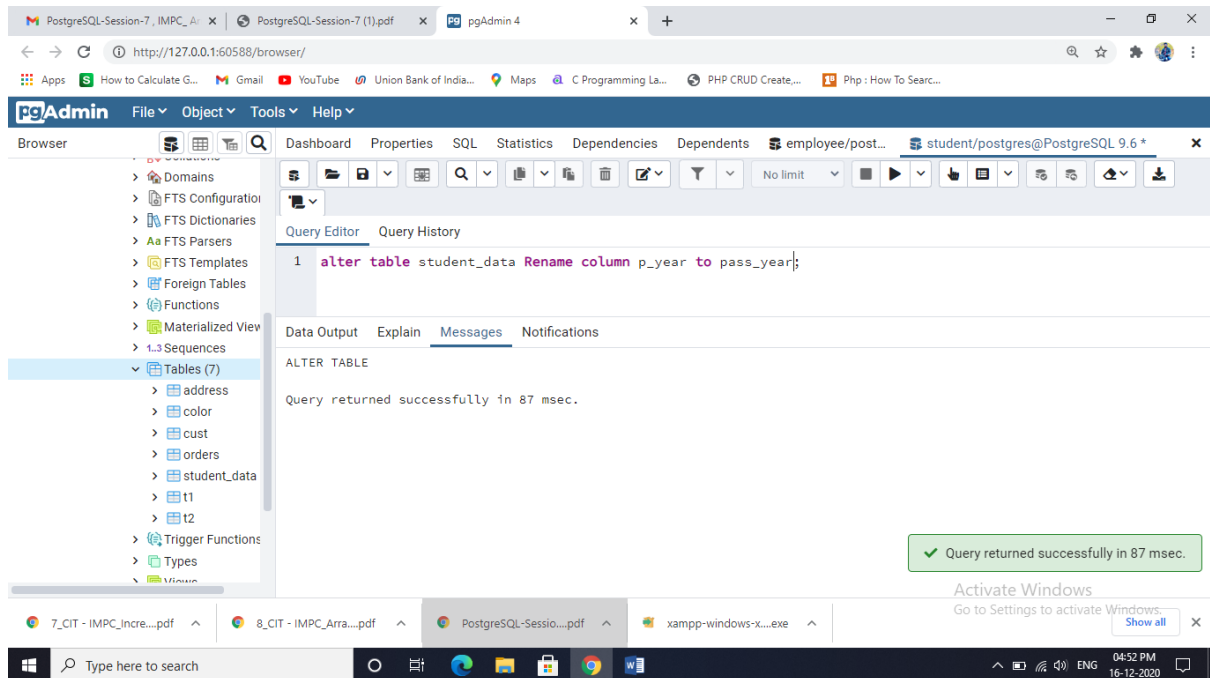


Name Mayur Khalkar  
Batch B

## Assignment 9

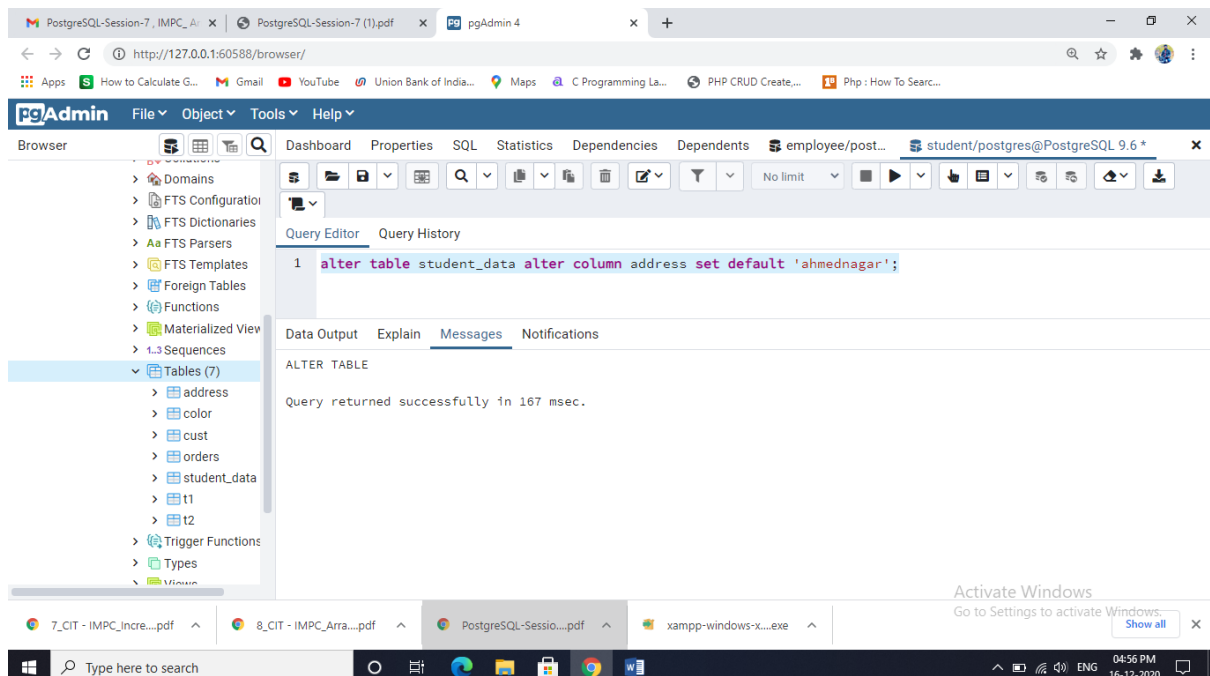
Rename Column Name:

alter table student\_data Rename column p\_year to pass\_year;



## Set Default

alter table student\_data alter column address set default 'ahmednagar';



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## Assignment 9

insert into student\_data values(7,'ashish','gore','agi@gmail.com',52,2016);

select \* from student\_data;

The screenshot shows the pgAdmin 4 interface. The 'Query Editor' tab is active, displaying the query: `select * from student_data;`. The 'Data Output' tab shows the results of the query in a table format. The table has 7 columns: id, fname, lname, email, per, pass\_year, and address. The results show 7 rows of student data.

id	fname	lname	email	per	pass_year	address
1	Mayur	Khalkar	khalkarm...	75	2014	[null]
2	Sanket	Nimase	sanketn...	76	2016	[null]
3	Ashish	Gaikwad	ashishgai...	85	2014	[null]
4	Amruta	Nangare	amrutan...	65	2016	[null]
5	Varsha	Sangale	sangalev...	76	2018	[null]
6	Shraddha	Jadhav	jadhavshr...	85	2013	[null]
7	ashish	gore	agi@gma...	52	2016	ahmednagar

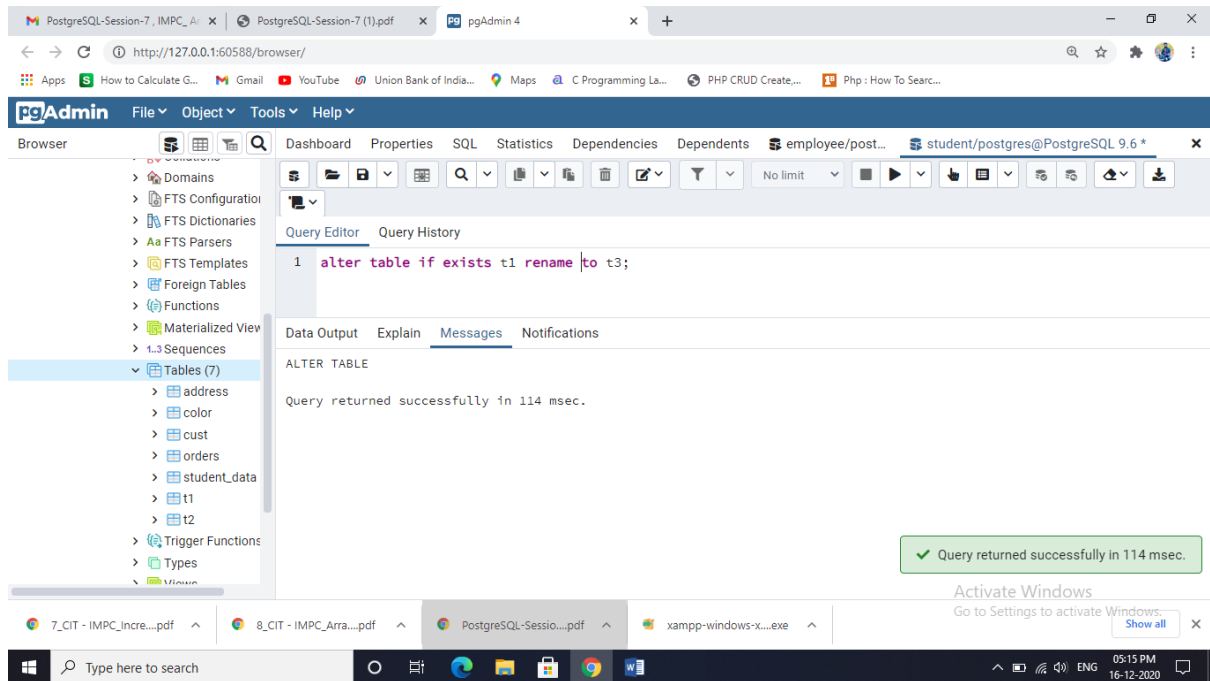
### Add Check

alter table student\_data add check (address in('ahmednagar','nashik'));

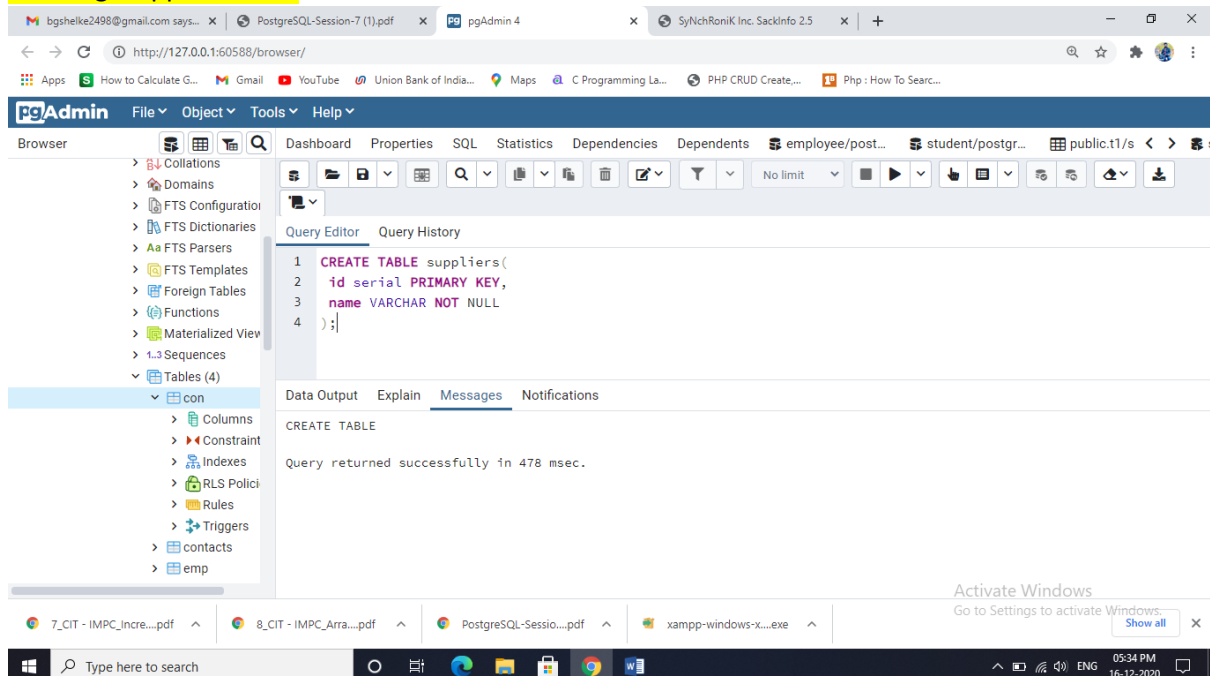
The screenshot shows the pgAdmin 4 interface. The 'Query Editor' tab is active, displaying the query: `insert into student_data values(8,'sandy','hj','sdf@sdf.c',58,2016,'Pune');`. The 'Messages' tab shows an error message: `ERROR: new row for relation "student_data" violates check constraint "student_data_address_check"`. The details of the error are: `DETAIL: Failing row contains (8, sandy, hj, sdf@sdf.c, 58, 2016, Pune).` and the SQL state is `23514`.

## ALTER TABLE IF EXISTS

alter table if exists t1 rename to t3;



## Creating Suppliers table



## Creating Suppliers\_group table

The screenshot shows the pgAdmin 4 interface. In the left sidebar, the 'Tables (4)' folder is expanded, showing a tree structure with 'con' selected. The 'Query Editor' tab is active, displaying the following SQL query:

```
1 CREATE TABLE supplier_groups (  
2   ID serial PRIMARY KEY,  
3   name VARCHAR NOT NULL, group_id INT NOT NULL  
4 );  
5
```

The 'Messages' tab is selected, showing the message: 'Query returned successfully in 223 msec.' A green notification box at the bottom right confirms: 'Query returned successfully in 223 msec.'

## Foreign Key :

The screenshot shows the pgAdmin 4 interface. The 'Query Editor' tab is active, displaying the following SQL query:

```
1 ALTER TABLE suppliers  
2 ADD FOREIGN KEY (group_id) REFERENCES supplier_groups (ID);
```

The 'Messages' tab is selected, showing the message: 'Query returned successfully in 142 msec.' A green notification box at the bottom right confirms: 'Query returned successfully in 142 msec.'

1

select \* from supplier\_groups ;

Data Output

Explain

Messages

Notifications

1

id

[PK] integer

name

character varying

1

Mayur

Query Editor

Query History

1

select \* from suppliers;

Data Output

Explain

Messages

Notifications

1

id

[PK] integer

name

character varying

group\_id

integer

1

2

Mayur

Name Mayur Khalkar  
Batch B

## Assignment 9

### Creating View

CREATE VIEW Contact\_View AS SELECT ename, job FROM emp WHERE empid in(1,2,3,4);

The screenshot shows the pgAdmin 4 web interface. The left sidebar displays the database structure, including a table named 'emp'. The main area shows a SQL query in the Query Editor:

```
1 select * from contact_view;
```

Below the query editor, the 'Data Output' tab is active, displaying the results of the query in a table format:

	ename character varying (50)	job character varying (50)
1	Mayur	CLERK
2	Ashish	CLERK
3	Sanket	SALESMAN
4	Mayur	SALESMAN

The bottom of the image shows the Windows taskbar with the system clock indicating 06:05 PM on 16-12-2020.