Create a view for student names with their subjects' names which they will study.

```
postgres=# create view student_subject as
postgres-# select student.e_name, subject.sub_name
postgres-# from stu_sub
postgres-# inner join student
postgres-# on stu_sub.stu_id = student.id
postgres-# inner join subject
postgres-# on stu_sub.sub_id = subject.id;
CREATE VIEW
```

Create a view for tracks names and the subjects which belong to it.

```
postgres=# create view track_subject as
select track.track_name, subject.sub_name
from track_sub
inner join track
on track_sub.track_id = track.id
inner join subject
on track_sub.sub_id = subject.id;
CREATE VIEW
```

Write a query to find out which subjects are not associated with any track.

Display name and age of each students

Display the name of students with their rounded score in each subject

```
postgres=# select student.e_name, subject.sub_name, round(grades.grade) as rounded_grade from grades inner join subject on grades.sub_id = subject.id inner join student on grades.stu_id = student.id; e_name | sub_name | rounded_grade

Abdelrahman | html | 90
Abdelrahman | css | 85
Abdelrahman | js | 80
(3 rows)
```

Display the name of students with the year of Birthdate

Add new exam result, in date column use NOW() function

The time part is truncated because it is data type changed date

Write a query to calculate the average grade obtained by a specific student across all exams.

Write a query to replace all occurrences of 'gmail.com' in email addresses with 'iti.com'.

```
postgres=# update student
postgres-# set email = replace(email, 'gmail.com', 'iti.com');
UPDATE 6
postgres=# select e_name, email
postgres-# from student;
   e_name | email

Abdelrahman | aaabod199950@iti.com
Ahmed |
abdullah |
maruim |
orabi |
majed |
(6 rows)
```

Write a query to calculate the difference in days between the current date and each exam date.

Write a query to check if each student's email address ends with '.com'.

```
postgres=# select e name, email,
postgres-# case
postgres-# when email like '%.com' then 'yes'
postgres-# else 'no'
postgres-# end as end with com
postgres-# from student;
                     email
                                    | end with com
  e name
 Abdelrahman | aaabod199950@iti.com | yes
 Ahmed
                                     no
 abdullah
                                     no
maruim
                                     no
 orabi
                                     no
majed
                                     no
(6 rows)
```

Display each exam date like 'MM/DD/YYYY'.

```
postgres=# select id, to_char(exam.date, 'MM/DD/YYYY') as date from exam;
id | date
----+------
3 | 05/01/2025
1 | 05/02/2025
2 | 05/03/2025
4 | 05/25/2025
(4 rows)
```