

## Lab2 cont

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

```
testdb=#  
CREATE VIEW stu_n_sub_n AS SELECT stu.e_name, sub.sub_name FROM student stu JOIN  
stu_sub ON stu.id = stu_id JOIN subject sub ON sub.id = sub_id;  
CREATE VIEW  
testdb=# SELECT * FROM stu_n_sub_n;  
  e_name | sub_name  
-----+-----  
John Smith | Database System  
Nada      | html  
Mohamed   | OS  
(3 rows)  
  
testdb=#
```

```
testdb=# CREATE VIEW stu_sub_names AS WITH stu_n_sub_n AS (SELECT stu.id , stu.e  
_name, sub_id FROM student stu JOIN stu_sub ON stu.id = stu_id)  
SELECT stu.e_name, subject.sub_name FROM stu_n_sub_n stu JOIN subject ON subject  
.id = sub_id;  
CREATE VIEW  
testdb=# SELECT * FROM stu_sub_names;  
  e_name | sub_name  
-----+-----  
John Smith | Database System  
Nada      | html  
Mohamed   | OS  
(3 rows)
```

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

```
testdb=# CREATE VIEW subjects_in_track AS WITH subs_n_track AS (SELECT track.id, track_name, sub_id F  
ROM track JOIN track_sub ON track.id = track_id)  
SELECT track_name, sub_name, sub_id FROM subs_n_track JOIN subject ON sub_id = subject.id;  
CREATE VIEW  
testdb=# SELECT * FROM subjects_in_track  
testdb=# ;  
 track_name | sub_name | sub_id  
-----+-----+-----  
Python      | Database System | 1  
Machine Learning | OS | 3  
Python      | html | 2  
(3 rows)
```