

Football Database

This database is designed to summary a football game, including the lineup of the football club used in game, and the events happened in game.

The country table stores information about the country that the game is played in. this information is necessary for the rules of the specific championship in that country.

The competition table stores information about the competition (championship such as Premier League, UEFA Champions League), also the date of the match, and the teams that take part in match.

The team table stores information about the team name.

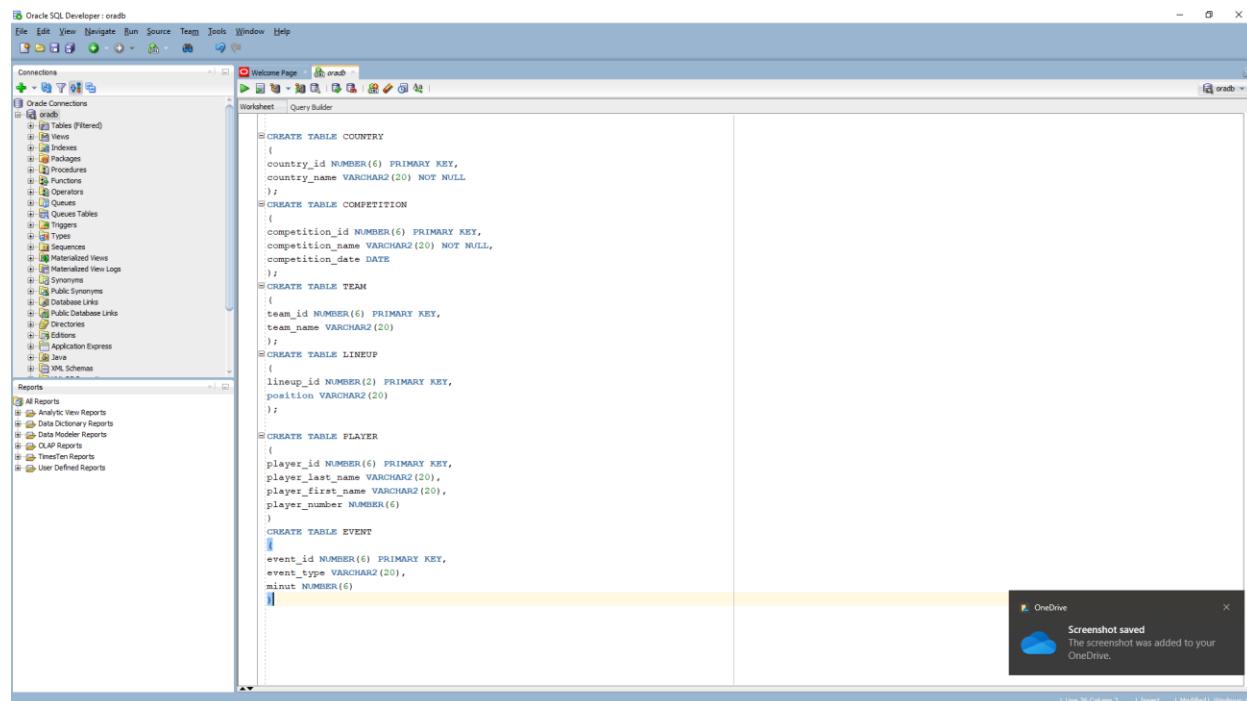
The player table stores information about each player that is in a team as well as their number that they have in game.

The lineup table stores information about each player that take part in the game from the competition match, as well as their position in game.

The last but not least, the most important one, that is based on all above, the event table, stores all data about all events happening during the game, such as faults, yellow card, red card and goals and the minute it happens.

Overall, this football match database is important to summary a game of football, with all the important data.

Starting with, I created the tables with only the primary key



```
CREATE TABLE COUNTRY
(
    country_id NUMBER(6) PRIMARY KEY,
    country_name VARCHAR2(20) NOT NULL
);
CREATE TABLE COMPETITION
(
    competition_id NUMBER(6) PRIMARY KEY,
    competition_name VARCHAR2(20) NOT NULL,
    competition_date DATE
);
CREATE TABLE TEAM
(
    team_id NUMBER(6) PRIMARY KEY,
    team_name VARCHAR2(20)
);
CREATE TABLE LINEUP
(
    lineup_id NUMBER(2) PRIMARY KEY,
    position VARCHAR2(20)
);
CREATE TABLE PLAYER
(
    player_id NUMBER(6) PRIMARY KEY,
    player_last_name VARCHAR2(20),
    player_first_name VARCHAR2(20),
    player_number NUMBER(6)
);
CREATE TABLE EVENT
(
    event_id NUMBER(6) PRIMARY KEY,
    event_type VARCHAR2(20),
    minut NUMBER(6)
);
```

After that, I introduced all foreign keys for each table, using alter table:

```

File Edit View Navigate Run Source Team Tools Window Help
Connections Oracle Connections oradb
  Tables (14)
    <+ TAKERS (TAKERS)
    <+ BONUSES
    <+ COMPETITION
      <+ COMPETITION_ID
      <+ COMPETITION_NAME
      <+ COMPETITION_DATE
      <+ COUNTRY_ID
      <+ TEAM_ID
    <+ COUNTRIES
    <+ COUNTRY
    <+ CURRENCIES
    <+ DEPARTMENTS
    <+ EMPLOYEES
    <+ EVENT
    <+ EVENT_HISTORY
    <+ JOBS
    <+ LINEUP
    <+ LOCATIONS
    <+ LOCATIONS1
    <+ LOCATIONS2
    <+ ORDER_ITEMS
    <+ ORDERS
    <+ PLAYER
    <+ PRODUCT_INFORMATION
Reports All Reports Analytic View Reports Data Dictionary Reports OLAP Reports TrendTen Reports User Defined Reports
Welcome Page oradb COMPETITION
Worksheet QueryBuilder
add team2_id NUMBER(6);

alter table COMPETITION
add foreign key (team1_id) references TEAM (team_id);

alter table COMPETITION
add foreign key (team2_id) references TEAM (team_id);

alter table LINEUP
add competition_id NUMBER(6);

alter table LINEUP
add foreign key (competition_id) references COMPETITION (competition_id);

alter table LINEUP
add player_id NUMBER(6);

alter table LINEUP
add foreign key (player_id) references PLAYER (player_id);

alter table PLAYER
add team_id NUMBER(6);

alter table PLAYER
add foreign key (team_id) references TEAM(team_id);

alter table EVENT
add lineup_id NUMBER(6);

alter table EVENT
add foreign key (lineup_id) references LINEUP (lineup_id);

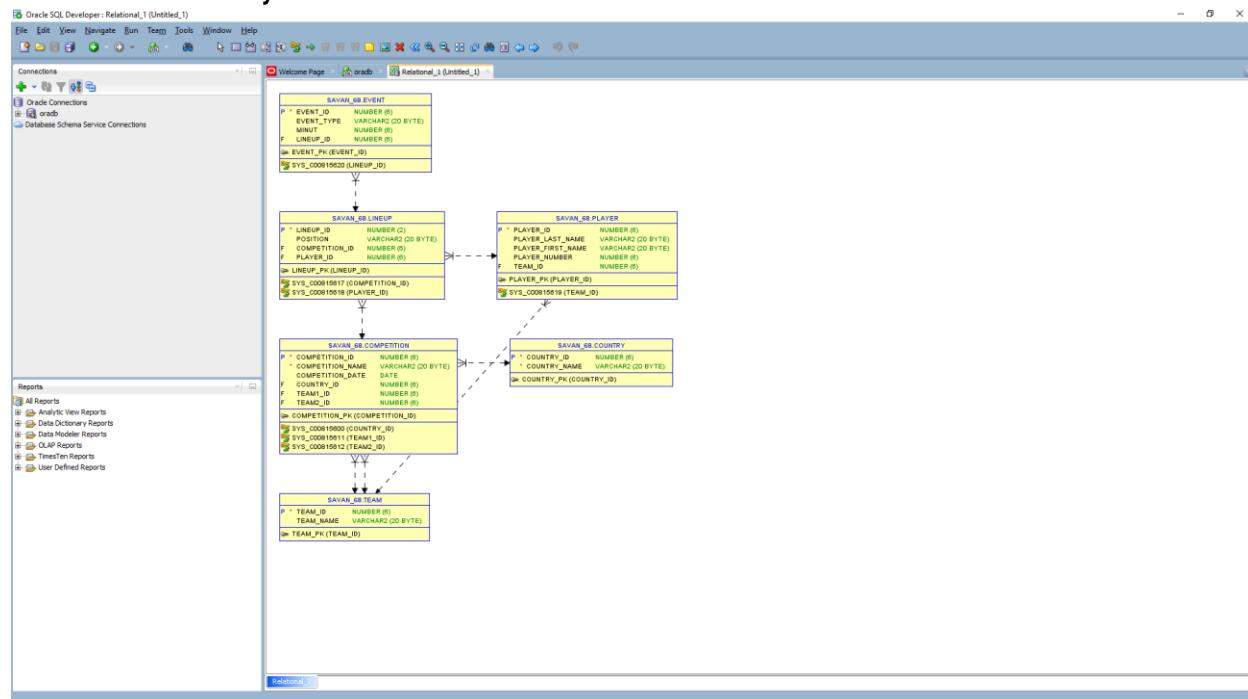
Script Output X Task completed in 0.05 seconds
Table PLAYER altered.

Table EVENT altered.

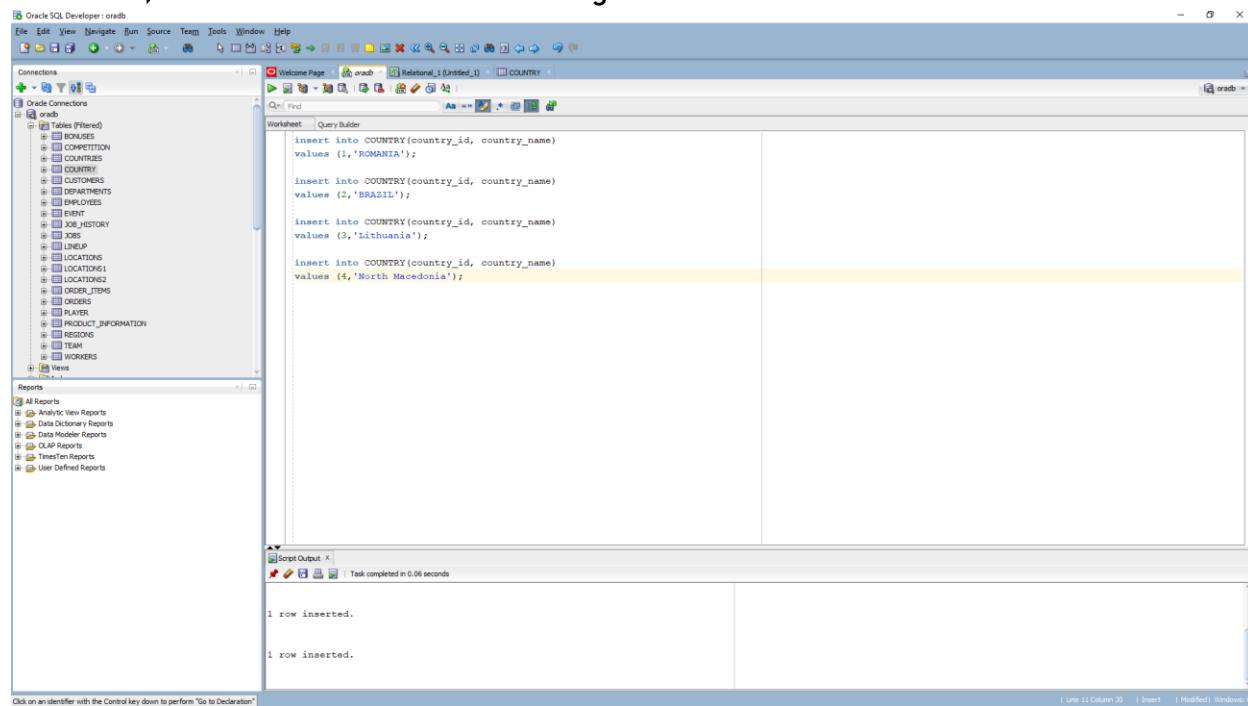
Table EVENT altered.

```

This is the schema of my database:



Furthermore, I had to introduce data in each table using insert function



The screenshot shows the Oracle SQL Developer interface with the 'COUNTRY' table selected in the schema browser. The 'Worksheet' tab contains the following SQL code:

```
insert into COUNTRY(country_id, country_name)
values (1,'ROMANIA');

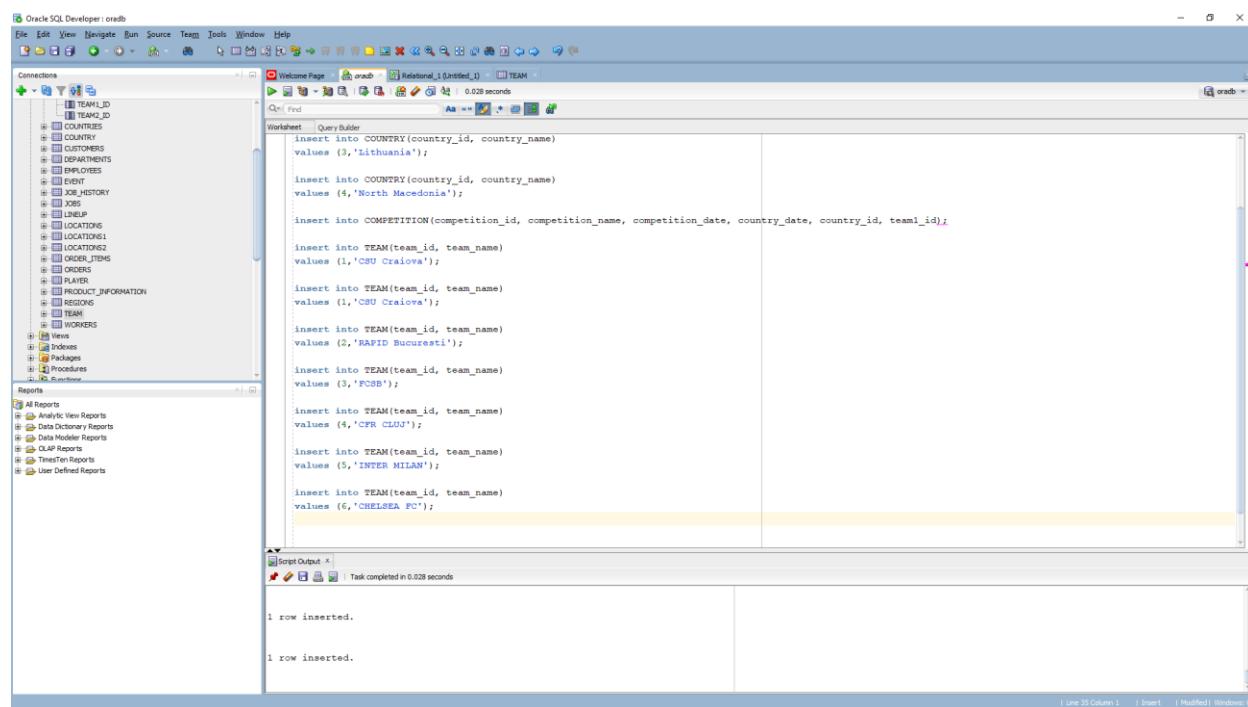
insert into COUNTRY(country_id, country_name)
values (2,'BRAZIL');

insert into COUNTRY(country_id, country_name)
values (3,'Lithuania');

insert into COUNTRY(country_id, country_name)
values (4,'North Macedonia');
```

The 'Script Output' tab shows the results of the execution:

```
| Task completed in 0.06 seconds |
| 1 row inserted.               |
| 1 row inserted.               |
```



The screenshot shows the Oracle SQL Developer interface with the 'TEAM' table selected in the schema browser. The 'Worksheet' tab contains the following SQL code:

```
insert into COUNTRY(country_id, country_name)
values (3,'Lithuania');

insert into COUNTRY(country_id, country_name)
values (4,'North Macedonia');

insert into COMPETITION(competition_id, competition_name, competition_date, country_id, team1_id)
values (1,'CSU Craiova');

insert into TEAM(team_id, team_name)
values (1,'CSU Craiova');

insert into TEAM(team_id, team_name)
values (2,'RAPID Bucuresti');

insert into TEAM(team_id, team_name)
values (3,'FCSB');

insert into TEAM(team_id, team_name)
values (4,'CFR CLUJ');

insert into TEAM(team_id, team_name)
values (5,'INTER MILAN');

insert into TEAM(team_id, team_name)
values (6,'CHELSEA FC');
```

The 'Script Output' tab shows the results of the execution:

```
| Task completed in 0.028 seconds |
| 1 row inserted.                |
| 1 row inserted.                |
```

Oracle SQL Developer : oradb

File Edit View Navigate Run Source Team Tools Window Help

Connections oradb Relational_1 (Untitled_1) TEAM

Worksheet Query Builder

```

('Fabinho', 'Carlos', 3, 1);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (1, 'Salah', 'Mohamed', 11, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(2, 'Mane', 'Sadio', 10, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(3, 'Pimino', 'Roberto', 9, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(4, 'Van Dijk', 'Virgil', 4, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(5, 'Alisson', 'Becker', 1, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(6, 'Thiago', 'Alcantara', 6, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(7, 'Wijnaldum', 'Georginio', 5, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(8, 'Alexander-Arnold', 'Trent', 66, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(9, 'Robertson', 'Andrew', 26, 1);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES

```

Script Output X Task completed in 0.368 seconds

1 row inserted.

1 row inserted.

Line 65 Column 1 | Insert | Modified | Windows

Oracle SQL Developer : oradb

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Connections oradb Relational_1 (Untitled_1) TEAM

Worksheet Query Builder

```

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (11, 'Popescu', 'Ion', 1, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(12, 'Vasilescu', 'Mihai', 2, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(13, 'Ionescu', 'Andrei', 3, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(14, 'Dumitrescu', 'Adrian', 4, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(15, 'Petrescu', 'Ciprian', 5, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(16, 'Stoica', 'Barvan', 6, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(17, 'Nicolae', 'Alexandru', 7, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(18, 'Metel', 'Marius', 8, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(19, 'Ilie', 'Cristian', 9, 2);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(20, 'David', 'Andrei', 10, 2);

```

Script Output X Task completed in 0.135 seconds

1 row inserted.

1 row inserted.

Line 108 Column 1 | Insert | Modified | Windows

Oracle SQL Developer : oradb

Connections Relational_1 (Untitled_1) - TEAM

Worksheet Query Builder

```

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (1, 'Pop', 'Ion', 1, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(2, 'Vasile', 'Mihai', 2, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(3, 'Ion', 'Andrei', 3, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(4, 'Dumitru', 'Adrian', 4, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(5, 'Petre', 'Ciprian', 5, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(6, 'Stoican', 'Razvan', 6, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(7, 'Nicolau', 'Alexandru', 7, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(8, 'Mateescu', 'Marius', 8, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(9, 'Tilescu', 'cristian', 9, 3);
INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES
(10, 'David', 'Andrei', 10, 3);

```

Script Output X Task completed in 0.148 seconds
1 row inserted.

1 row inserted.

Oracle SQL Developer : oradb

Connections oradb.log - LINEUP

Worksheet Query Builder

```

INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(7, 'Defense', 2, 7);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(8, 'Goalkeeper', 2, 8);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(9, 'Forward', 3, 9);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(10, 'Midfield', 3, 10);

INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)
VALUES
(1, 'Champions League', DATE'2022-05-01', 1, 1, 2);
INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)
VALUES
(2, 'Premier League', DATE'2022-08-01', 2, 3, 4);
INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)
VALUES
(3, 'La Liga', DATE'2022-10-01', 3, 5, 6);

DECLARE
    l_competition_date DATE := TO_DATE('2022-05-01', 'yyyy-mm-dd');
BEGIN
    INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)
    VALUES

```

Script Output X Task completed in 0.104 seconds
1 row inserted.

OneDrive
Screenshot saved
The screenshot was added to your OneDrive.

Oracle SQL Developer : oradb

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Connections Oracle Connections oradb

Workshop Query Builder

```

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (31, 'Grigore', 'Alexandru', 4, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (32, 'Chiriciu', 'Alexandru', 10, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (33, 'Mant', 'Paul', 5, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (34, 'Rusescu', 'Bogdan', 8, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (35, 'Popescu', 'Doru', 6, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (36, 'Neicutescu', 'Ionut', 7, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (37, 'De Amorim', 'Fabio', 11, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (38, 'Tudorie', 'Marius', 14, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (39, 'Vina', 'Gustavo', 10, 4);

INSERT INTO PLAYER (player_id, player_last_name, player_first_name, player_number, team_id)
VALUES (40, 'Pintilii', 'Ovidiu', 5, 4);

```

Script Output X Task completed in 0.19 seconds

1 row inserted.

1 row inserted.

Line 189 Column 1 | Insert | Modified | Windows

Oracle SQL Developer : oradb

File Edit View Navigate Run Source Team Tools Window Help

Connections Oracle Connections oradb

Workshop Query Builder

```

INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(7, 'Defense', 2, 7);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(8, 'Goalkeeper', 2, 8);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(9, 'Forward', 3, 9);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(10, 'Midfield', 3, 10);

INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)
VALUES
(1, 'Champions League', DATE'2022-05-01', 1, 1, 2);
INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)
VALUES
(2, 'Premier League', DATE'2022-08-01', 2, 3, 4);

DECLARE
    l_competition_date DATE := TO_DATE('2022-05-01', 'yyyy-mm-dd');
BEGIN
    INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)
    VALUES

```

Script Output X Task completed in 0.19 seconds

1 row inserted.

OreDrive Screenshot saved The screenshot was added to your OneDrive.

Line 189 Column 1 | Insert | Modified | Windows

Oracle SQL Developer : oradb

File Edit View Navigate Run Source Team Tools Window Help

Connections Oracle Connections oradb

Worksheet - Query Builder

```

VALUES
(5, 'France');
INSERT INTO COUNTRY (country_id, country_name)
VALUES
(6, 'Germany');
INSERT INTO COUNTRY (country_id, country_name)
VALUES
(7, 'Spain');

INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(11, 'Forward', 2, 11);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(12, 'Midfield', 2, 12);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(13, 'Defense', 2, 13);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(14, 'Goalkeeper', 2, 14);

INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(15, 'Forward', 2, 15);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(16, 'Midfield', 2, 16);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(17, 'Defense', 2, 17);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(18, 'Goalkeeper', 2, 18);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(19, 'Forward', 2, 19);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(20, 'Midfield', 2, 20);

```

Script Output X Task completed in 0.104 seconds

OneDrive Screenshot saved
The screenshot was added to your OneDrive.

1 row inserted.

Oracle SQL Developer : oradb

File Edit View Navigate Run Source Team Tools Window Help

Connections Oracle Connections oradb

Worksheet - Query Builder

```

INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(1, 'Goal', 15, 1);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(2, 'Foul', 22, 2);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(3, 'Yellow Card', 37, 3);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(4, 'Red Card', 45, 4);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(5, 'Offside', 50, 5);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(6, 'Penalty', 60, 6);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(7, 'Corner', 70, 7);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(8, 'Free Kick', 80, 8);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(9, 'Substitution', 85, 9);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(10, 'Injury', 90, 10);

```

Script Output X Task completed in 0.495 seconds

1 row inserted.

Click on an identifier with the Control key down to perform "Go to Declaration"

Oracle SQL Developer : oradb

File Edit View Navigate Run Source Team Tools Window Help

Connections Oracle Connections oradb

Tables (Filtered) BONUSES COMPETITION COUNTRIES EVENT LINEUP LOCATIONS ORDER_ITEMS PLAYERS EVENT

Worksheet Query Builder

```

INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(11, 'Hand Ball', 92, 11);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(12, 'Goalkeeper Save', 94, 12);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(13, 'Offside', 96, 13);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(14, 'Penalty', 98, 14);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(15, 'Yellow Card', 100, 15);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(16, 'Red Card', 105, 16);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(17, 'Foul', 110, 17);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(18, 'Free Kick', 115, 18);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(19, 'Substitution', 120, 19);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(20, 'Injury', 125, 20);

```

Script Output X Task completed in 0.495 seconds

1 row inserted.

Line 150 Column 7 | Insert | Modified | Windows

Click on an identifier with the Control key down to perform "Go to Declaration"

Oracle SQL Developer : oradb

File Edit View Navigate Run Source Team Tools Window Help

Connections Oracle Connections oradb

Tables (Filtered) BONUSES COMPETITION COUNTRIES EVENT LINEUP LOCATIONS ORDER_ITEMS PLAYERS LINEUP

Worksheet Query Builder

```

INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(1, 'Forward', 1, 1);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(2, 'Midfield', 1, 2);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(3, 'Defense', 1, 3);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(4, 'Goalkeeper', 1, 4);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(5, 'Forward', 2, 5);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(6, 'Midfield', 2, 6);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(7, 'Defense', 2, 7);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(8, 'Goalkeeper', 2, 8);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(9, 'Forward', 3, 9);
INSERT INTO LINEUP (lineup_id, position, competition_id, player_id)
VALUES
(10, 'Midfield', 3, 10);

INSERT INTO COMPETITION (competition_id, competition_name, competition_date, country_id, team1_id, team2_id)

```

Script Output X Task completed in 0.104 seconds

1 row inserted.

Line 89 Column 1 | Insert | Modified | Windows

And the result :

Oracle SQL Developer: Table SAVAN_68.EVENT@oradb

The screenshot shows the Oracle SQL Developer interface with the EVENT table selected. The table has three columns: EVENT_ID, EVENT_TYPE, and MINUT. The data is as follows:

EVENT_ID	EVENT_TYPE	MINUT	LINUP_ID
1	1Goal	15	1
2	2Foul	22	2
3	3Yellow Card	37	3
4	4Red Card	45	4
5	5Offside	50	5
6	6Penalty	60	6
7	7Corner	70	7
8	8Free Kick	80	8
9	9Substitution	85	9
10	10Injury	90	10
11	11Hand Ball	92	11
12	12Goalkeeper Save	94	12
13	13Offside	96	13
14	14Penalty	98	14
15	15Yellow Card	100	15
16	16Red Card	105	16
17	17Foul	110	17
18	18Free Kick	115	18
19	19Substitution	120	19
20	20Injury	125	20

Oracle SQL Developer

The screenshot shows the Oracle SQL Developer interface with the TEAM table selected. The table has two columns: TEAM_ID and TEAM_NAME. The data is as follows:

TEAM_ID	TEAM_NAME
1	1CSU Craiova
2	2RAPID Bucuresti
3	3FCB
4	4CFR CLUJ
5	5INTER MILAN
6	6CHELSEA FC

Oracle SQL Developer

File Edit View Navigate Run Temp Tools Window Help

Connections

- PLAYER
- LINEUP
- JOBS
- JOBS_HISTORY
- LOCATIONS
- LOCATIONS1
- LOCATIONS2
- ORDER_ITEMS
- ORDERS
- PLAYERS
- PRODUCT_INFORMATION
- REGIONS
- WORKERS
- Views
- Indexes
- Packages
- Procedures
- Functions
- Operators
- Queues
- Queues Tables
- Triggers
- Tables

All Reports

- All Analytic View Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimeTen Reports
- User Defined Reports

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL

PLAYER_ID | PLAYER_LAST_NAME | PLAYER_FIRST_NAME | PLAYER_NUMBER | TEAM_ID

PLAYER_ID	PLAYER_LAST_NAME	PLAYER_FIRST_NAME	PLAYER_NUMBER	TEAM_ID
1	Mihai	Mihai	11	1
2	Mane	Sadie	10	1
3	Filipino	Roberto	9	1
4	Van Dijk	Virgil	4	1
5	Alison	Becker	1	1
6	Thiago	Alcantara	6	1
7	Wijnaldum	Georginio	5	1
8	Alexander-Arnold	Trent	66	1
9	Robertson	Andrew	26	1
10	Fabinho	Carlos	3	1
11	Popescu	Ion	1	2
12	Vasilescu	Mihai	2	2
13	Ionescu	Andrei	3	2
14	Manolescu	Adrian	4	2
15	Petrescu	Ciprian	5	2
16	Stoica	Baeran	6	2
17	Nicolae	Alexandru	7	2
18	Matei	Marius	8	2
19	Ilie	Cristian	9	2
20	David	Andrei	10	2
21	Pop	Ion	1	3
22	Vasile	Mihai	2	3
23	Ion	Andrei	3	3
24	Dumitru	Adrian	4	3
25	Petre	Ciprian	5	3
26	Caran	Baeran	6	3
27	Nicolau	Alexandru	7	3
28	Matescu	Marius	8	3
29	Ilieacu	Cristian	9	3
30	David	Andrei	10	3
31	Grigore	Alexandru	4	4
32	Chicciu	Alexandru	10	4
33	Man	Paul	9	4
34	Rusescu	Bogdan	8	4
35	Popescu	Doru	6	4
36	Neicutescu	Ionut	7	4
37	De Amorim	Fabio	11	4
38	Tudorie	Marius	14	4
39	Popescu	Oliviu	10	4
40	Pistilli	Ovidiu	5	4
41	Ronaldo	Cristiano	7	5
42	Imobile	Ciro	17	5
43	Ibrahimovic	Zlatan	21	5

OneDrive Screenshot saved The screenshot was added to your OneDrive.

Oracle SQL Developer

File Edit View Navigate Run Temp Tools Window Help

Connections

- EMPLOYEES
- EVENT
- EVENT_TYPE
- ITEM
- LINEUP
- JOBS
- JOBS_HISTORY
- LOCATIONS
- LOCATIONS1
- LOCATIONS2
- ORDER_ITEMS
- ORDERS
- PLAYERS
- PRODUCT_INFORMATION
- REGIONS
- WORKERS
- Views
- Indexes
- Packages
- Procedures
- Functions
- Operators
- Queues
- Queues Tables
- Triggers
- Tables

All Reports

- All Analytic View Reports
- Data Dictionary Reports
- Data Modeler Reports
- OLAP Reports
- TimeTen Reports
- User Defined Reports

Columns Data Model Constraints Grants Statistics Triggers Flashback Dependencies Details Partitions Indexes SQL

LINEUP_ID | POSITION | COMPETITION_ID | PLAYER_ID

LINEUP_ID	POSITION	COMPETITION_ID	PLAYER_ID
1	Forward	1	1
2	Midfield	1	2
3	Defense	1	3
4	Goalkeeper	1	4
5	Forward	2	5
6	Midfield	2	6
7	Defense	2	7
8	Goalkeeper	2	8
9	Forward	2	9
10	Midfield	3	10
11	Forward	2	11
12	Midfield	2	12
13	Defense	2	13
14	Goalkeeper	2	14
15	Forward	2	15
16	Midfield	2	16
17	Defense	2	17
18	Goalkeeper	2	18
19	Forward	2	19
20	Midfield	2	20

OneDrive Screenshot saved The screenshot was added to your OneDrive.

Oracle SQL Developer: Table SAWAN_68.COUNTRY@oradb

The screenshot shows the Oracle SQL Developer interface with the COUNTRY table selected. The table has two columns: COUNTRY_ID and COUNTRY_NAME. The data is as follows:

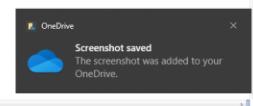
COUNTRY_ID	COUNTRY_NAME
1	BRAZILIA
2	BRAZIL
3	Ireland
4	North Macedonia
5	Germany
6	Spain
7	France

Oracle SQL Developer: Table COMPETITION@oradb

The screenshot shows the Oracle SQL Developer interface with the COMPETITION table selected. The table has four columns: COMPETITION_ID, COMPETITION_NAME, COUNTRY_ID, and TEAM1_ID. The data is as follows:

COMPETITION_ID	COMPETITION_NAME	COUNTRY_ID	TEAM1_ID
1	Champions League	01-MA...	1
2	Premier League	01-AU...	2
3	La Liga	01-OC...	3

This are all my data that I inserted in my tables. Because at a point I made a mistake with inserting data I had to use a delete function to delete the data from player table between 41 and 50:



```
DELETE FROM PLAYER
WHERE player_id BETWEEN 41 AND 50;
```

So I wanted to check my database using exactly 15 select statements

1. Let's see player's last name, first name, player number, and the minute they played, but only for events where the minute is greater than 50

The screenshot shows the Oracle SQL Developer interface. The top menu bar includes File, Edit, View, Navigate, Run, Source, Team, Tools, Window, and Help. The left sidebar displays a tree view of database schemas: BODIES, COMPETITION, COUNTRIES, COUNTRY, COUNTRY_AREAS, COUNTRY_DEPARTMENTS, EMPLOYEES, EVENT, LINEUP, JOB_HISTORY, JOBS, GROUP, LOCATIONS, LOCATIONS1, LOCATIONS2, ORDER_ITEMS, and LOCATIONS.

The central workspace contains a "Worksheet - Query Builder" tab. The script area contains the following code:

```
(16, 'Red Card', 105, 16);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(17, 'Foul', 110, 17);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(18, 'Free Kick', 115, 18);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(19, 'Substitution', 120, 19);
INSERT INTO EVENT (event_id, event_type, minut, lineup_id)
VALUES
(20, 'Injury', 125, 20);

# SELECT player_last_name, player_first_name, player_number, minut
FROM PLAYER p
INNER JOIN LINEUP l ON p.player_id = l.player_id
INNER JOIN EVENT e ON l.lineup_id = e.lineup_id
WHERE minut > 50
```

The results grid shows the following data:

PLAYER_LAST_NAME	PLAYER_FIRST_NAME	PLAYER_NUMBER	MINUT
Thiago	Alcantara	6	60
Wijnaldum	Georginio	5	70
Alexander-Arnold	Trent	66	80
Robertson	Andrew	26	85
Rabinho	Carlos	3	90
Fofana	Ion	1	92
Vitelluscu	Mihai	2	94
Ioneșcu	Andrei	3	96
Dumitrescu	Adrian	4	98
Petrescu	Ciprian	5	100
Stoica	Mirvan	6	105
Nicolae	Alexandru	7	110
Matei	Marius	8	115
Ilie	Cristian	9	120
David	Andrei	10	125

2. I wanted to use left outer join to select players' last name , first name and team name and return all the players in the player table, and the matching team name in the teamtable.

The screenshot shows the Oracle SQL Developer interface. In the top right, there's a 'Worksheet' tab with a 'Query Builder' icon. Below it, the 'Script Output' tab is active, showing the following SQL code:

```

SELECT team_name, competition_name, competition_date FROM TEAM t
LEFT OUTER JOIN LINEUP l ON t.team_id = l.team_id
LEFT OUTER JOIN COMPETITION c ON c.competition_id = l.competition_id;

SELECT p.player_last_name, p.player_first_name, t.team_name FROM PLAYER p
LEFT OUTER JOIN TEAM t ON p.team_id = t.team_id

```

Below the code, the 'Query Result' tab displays a table with 50 rows of data:

PLAYER_LAST_NAME	PLAYER_FIRST_NAME	TEAM_NAME
Fabinho	Carlos	CST Craiova
Robertson	Andrew	CST Craiova
Alexander-Arnold	Trent	CST Craiova
Mijaildus	Georginio	CST Craiova
Thiago	Alcantara	CST Craiova
Allison	Becker	CST Craiova
Wijnaldum	Dijk	CST Craiova
Ramiro	Virgil	CST Craiova
Mane	Roberto	CST Craiova
Salah	Sadio	CST Craiova
David	Mohamed	CST Craiova
Ilie	Andrei	RAPID Bucuresti
Matei	Cristian	RAPID Bucuresti
Nicolae	Marius	RAPID Bucuresti
Stoica	Razvan	RAPID Bucuresti
Popescu	Adrian	RAPID Bucuresti
Rumitrescu	Adriean	RAPID Bucuresti
Ionescu	Andrei	RAPID Bucuresti
Vasilescu	Mihai	RAPID Bucuresti
Boneazu	Ton	RAPID Bucuresti

- To continue, I wanted to select the team name and the total number of platers for each team then to group the result by team name and filter the teams that have more than 5 players.

The screenshot shows the Oracle SQL Developer interface. In the top right, there's a 'Worksheet' tab with a 'Query Builder' icon. Below it, the 'Script Output' tab is active, showing the following SQL code:

```

SELECT team_name, COUNT(*) as total_players FROM PLAYER p
INNER JOIN TEAM t ON p.team_id = t.team_id
GROUP BY team_name
HAVING COUNT(*) > 5

```

Below the code, the 'Query Result' tab displays a table with 5 rows of data:

TEAM_NAME	TOTAL_PLAYERS
CST CLUJ	10
RAPID Bucuresti	10
CST Craiova	10
FCSB	10
INTER MILAN	10

- This select statement, in which I used extract function, is meant to select the competition name and the month from the competition date and returns an integer.

Oracle SQL Developer : oradb

Connections

- BONUSES
- COMPETITION
 - COMPETITION_ID
 - COMPETITION_NAME
 - COMPETITION_DATE
 - TEAM1_ID
 - TEAM2_ID
- COUNTRIES
- COUNTRY
- CUSTOMERS
- DEPARTMENTS
- EMPLOYEES
- EVENT
 - EVENT_ID
 - EVENT_TYPE
 - MINUT
 - MINUT
 - LINEUP_ID
 - JOB_HISTORY
 - JOBS
 - LINEUP
 - LOCATIONS
 - LOCATIONS1
 - LOCATIONS2
 - ORDER_ITEMS
 - ORDERS

Worksheet Query Builder

```
SELECT competition_name, EXTRACT(MONTH FROM competition_date) as month
FROM COMPETITION
```

Exam Structure

Script Output | Query Result |

COMPETITION_NAME	MONTH
1 Champions League	5
2 Premier League	8
3 La Liga	10

| Line 204 Column 1 | Insert | Modified | Windows O

5. The following select statement, will select the player's last name, first name, player number and the player position with the following conditions

Oracle SQL Developer : oradb

Connections

- BONUSES
- COMPETITION
 - COMPETITION_ID
 - COMPETITION_NAME
 - COMPETITION_DATE
 - COUNTRY_ID
 - TEAM1_ID
 - TEAM2_ID
- COUNTRIES
- COUNTRY
- CUSTOMERS
- DEPARTMENTS
- EMPLOYEES
- EVENT
 - EVENT_ID
 - EVENT_TYPE
 - MINUT
 - MINUT
 - LINEUP_ID
 - JOB_HISTORY
 - JOBS
 - LINEUP
 - LOCATIONS
 - LOCATIONS1
 - LOCATIONS2
 - ORDER_ITEMS
 - ORDERS

Worksheet Query Builder

```
SELECT competition_name, competition_date, SYSDATE as current_date
FROM COMPETITION
WHERE competition_date > SYSDATE

SELECT player_last_name, player_first_name, player_number,
CASE
  WHEN player_number BETWEEN 1 and 10 THEN 'Attacker'
  WHEN player_number BETWEEN 11 and 20 THEN 'Midfielder'
  WHEN player_number BETWEEN 21 and 30 THEN 'Defender'
  WHEN player_number BETWEEN 31 and 40 THEN 'Goalkeeper'
  ELSE 'Not assigned'
END as player_position
FROM PLAYER
```

Script Output | Query Result |

PLAYER_LAST_NAME	PLAYER_FIRST_NAME	PLAYER_NUMBER	PLAYER_POSITION
Ilie	Cristian	9	Attacker
David	Andrei	10	Attacker
Pop	Ion	1	Attacker
Vale	Mihai	2	Attacker
Ion	Andrei	3	Attacker
Dumitru	Adrian	4	Attacker
Petre	Ciprian	5	Attacker
Stoican	Razvan	6	Attacker
Nicolau	Alexandru	7	Attacker
Mateescu	Marius	8	Attacker
Ilieescu	Cristian	9	Attacker
David	Andrei	10	Attacker
Grigore	Alexandru	4	Attacker
Chipciu	Alexandru	10	Attacker
Man	Paul	9	Attacker
Mateescu	Sorin	8	Attacker
Fugescu	Doru	6	Attacker
Neacutescu	Ionut	7	Attacker
De Amorim	Fabio	11	Midfielder
Stoica	Marius	14	Midfielder

Click on an identifier with the Control key down to perform "Go to Declaration"

| Line 219 Column 1 | Insert | Modified | Windows O

6. I wanted to select player's last name and the first letter of the player's first name, using substr function which is used exactly to extract a substring from a string.

The screenshot shows the Oracle SQL Developer interface. The left pane displays the database schema with tables like EVENT, LINEUP, and PLAYER. The central pane shows a query builder window with the following SQL code:

```

INSERT INTO new_table (player_last_name, player_first_name, team_name)
SELECT player_last_name, player_first_name, team_name
FROM PLAYER p
JOIN TEAM t ON p.team_id = t.team_id
WHERE team_name = 'CSU Craiova'

SELECT player_last_name, SUBSTR(player_first_name, 1, 1) as first_letter_of_first_name
FROM PLAYER

```

The right pane shows the results of the first part of the query, which is a table with columns: PLAYER_LAST_NAME and FIRST LETTER OF FIRST NAME. The data is as follows:

PLAYER_LAST_NAME	FIRST LETTER OF FIRST NAME
1 Salah	M
2 Mane	S
3 Firmino	R
4 Van Dijk	V
5 Icardo	B
6 Thiago	A
7 Wijnaldum	G
8 Alexander-Arnold	T
9 Robertson	A
10 Fabinho	C
11 Popescu	I
12 Vasilescu	M
13 Ionescu	A
14 Dumitrescu	A
15 Petrescu	C
16 Stoica	R
17 Niculae	A
18 Matel	M
19 Ilie	C
20 Nwadi	B

A OneDrive notification is visible at the bottom right.

7. The following select statement, will select player's last name, first name and team name for the players that belongs to the team CSU Craiova and Rapid Bucuresti and combine the results into a single result set, and using union will combine the both select statements for each team

The screenshot shows the Oracle SQL Developer interface. The left pane displays the database schema. The central pane shows a query builder window with the following SQL code:

```

SELECT player_last_name, player_first_name, team_name
FROM PLAYER p
JOIN TEAM t ON p.team_id = t.team_id
WHERE team_name = 'CSU Craiova'
UNION
SELECT player_last_name, player_first_name, team_name
FROM PLAYER p
JOIN TEAM t ON p.team_id = t.team_id
WHERE team_name = 'RAPID Bucuresti'

```

The right pane shows the results of the query, which is a table with columns: PLAYER_LAST_NAME, PLAYER_FIRST_NAME, and TEAM_NAME. The data is as follows:

PLAYER_LAST_NAME	PLAYER_FIRST_NAME	TEAM_NAME
8 Alexander-Arnold	Trent	CSU Craiova
10 Robertson	Dominic	CSU Craiova
11 Popescu	David	RAPID Bucuresti
12 Vasilescu	Adriean	RAPID Bucuresti
13 Ionescu	Carolina	CSU Craiova
14 Dumitrescu	Roberto	CSU Craiova
15 Petrescu	Christian	RAPID Bucuresti
16 Stoica	Ionescu	RAPID Bucuresti
17 Niculae	Andrei	RAPID Bucuresti
18 Matel	Sebastian	CSU Craiova
19 Ilie	Marin	RAPID Bucuresti
20 Nwadi	Alexandru	RAPID Bucuresti
21 Wijnaldum	Nicolae	RAPID Bucuresti
22 Matel	Petrescu	RAPID Bucuresti
23 Icardo	Florin	RAPID Bucuresti
24 Robertson	Robert	CSU Craiova
25 Salah	Andrea	CSU Craiova
26 Mane	Mohamed	CSU Craiova
27 Stoica	Ilie	CSU Craiova
28 Vasilescu	Radu	CSU Craiova
29 Ionescu	Alina	CSU Craiova
30 Van Dijk	Virgil	CSU Craiova
31 Firmino	Mihai	RAPID Bucuresti
32 Ionescu	Stefan	CSU Craiova

8. Using decode, we can select in this case, player's last name, first name and team name only if the argument matches the table column

Oracle SQL Developer : oradb

Connections oradb1 oradb LINEUP

Worksheet Query Builder

```
SELECT player_last_name, player_first_name,
DECODE(team_id, 1, 'CSU Craiova', 2, 'RAPID Bucuresti', 3, 'FCB', 4, 'CFR Cluj'), 'Unknown team' as team_name
FROM PLAYER
```

Script Output x Query Result x

PLAYER_LAST_NAME	PLAYER_FIRST_NAME	TEAM_NAME
1 Salah	Mohamed	CSU Craiova
2 Firmino	Roberto	CSU Craiova
3 Van Dijk	Virgil	CSU Craiova
4 Alisson	Becker	CSU Craiova
5 Thiago	Alcantara	CSU Craiova
6 Wijnaldum	Georginio	CSU Craiova
7 Alexander-Arnold Trent	Trent	CSU Craiova
8 Robertson	Andrew	CSU Craiova
9 Fabinho	Carlos	CSU Craiova
10 Mane	Sadio	CSU Craiova
11 Ionescu	Mihai	RAPID Bucuresti
12 Ionescu	Andrei	RAPID Bucuresti
13 Dumitrescu	Adrian	RAPID Bucuresti
14 Dumitrescu	Ciprian	RAPID Bucuresti
15 Stoica	Horia	RAPID Bucuresti
17 Niculae	Alexandru	RAPID Bucuresti
18 Matvi	Marius	RAPID Bucuresti
19 Ilie	Christian	RAPID Bucuresti
20 David	Andrei	RAPID Bucuresti

(Line 251 Column 1) | Insert | Modified | Windows |

9. Using =, this select will display players that play for "CSU Craiova".

Oracle SQL Developer : oradb

Connections oradb1 oradb LINEUP

Worksheet Query Builder

```
SELECT player_last_name, player_first_name, team_name
FROM PLAYER p
JOIN TEAM t ON p.team_id = t.team_id
WHERE team_name = 'CSU Craiova'
```

Script Output x Query Result x

PLAYER_LAST_NAME	PLAYER_FIRST_NAME	TEAM_NAME
1 Van Dijk	Virgil	CSU Craiova
2 Firmino	Roberto	CSU Craiova
3 Fabinho	Carlos	CSU Craiova
4 Robertson	Andrew	CSU Craiova
5 Alexander-Arnold Trent	Trent	CSU Craiova
6 Wijnaldum	Georginio	CSU Craiova
7 Thiago	Alcantara	CSU Craiova
8 Alisson	Becker	CSU Craiova
9 Salah	Mohamed	CSU Craiova
10 Mane	Sadio	CSU Craiova

(Line 260 Column 1) | Insert | Modified | Windows |

10. Using between function, it will display details about player which number matches our argument: between 10 and 15

The screenshot shows the Oracle SQL Developer interface. In the top navigation bar, the connection is set to 'oradb'. The left sidebar displays the database schema with tables like EVENT, LINEUP, and PLAYER. The central workspace contains a query builder window with the following SQL code:

```
SELECT player_last_name, player_first_name, player_number
FROM PLAYER
WHERE player_number BETWEEN 10 and 15
```

Below the query builder is a 'Script Output' tab showing the execution results:

	PLAYER_LAST_NAME	PLAYER_FIRST_NAME	PLAYER_NUMBER
1	Salah	Mohamed	11
2	Mane	Sadio	10
3	David	Andrei	10
4	David	Andrei	10
5	Chipciu	Alexandru	10
6	De Amorim	Fabio	11
7	Tudorie	Marius	14
8	Vina	Gustavo	10
9	Dybala	Paulo	10
10	Calhanoglu	Hakan	10

11. This statement selects the team name and competition name from the teams and competitions tables, and it uses a join clause to combine the data from both table the on clause of the join specifies that the team id should match either team1 id or team2 id from competition table, while where clause filters the result set by using the any operator.

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays the schema structure under 'Connections' for the 'oradb' database, including tables like EVENT, LINEUP, TEAM, and COMPETITION. The central 'Worksheet' pane contains a SQL query:

```

SELECT team_name, competition_name
FROM team
JOIN competition ON team.team_id = competition.team1_id OR team.team_id = competition.team2_id
WHERE team.team_id = ANY (SELECT team_id FROM team WHERE team_name LIKE '%Craiova%');

```

The 'Script Output' and 'Query Result' panes below show the results of the query:

TEAM_NAME	COMPETITION_NAME
CSU Craiova	Champions League

12. I used a statement that creates a view named player_competition view which selects the player id player last name player first name player number team name competition name from player team and competition tables and it uses a join clause to combine the data from all 3 tables. Next, is selecting all the columns from the created view and filtering the results by the competition name named Champions League .

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays the schema structure under 'Connections' for the 'oradb' database. The central 'Worksheet' pane contains a SQL script to create a view:

```

CREATE VIEW player_competition_view AS
SELECT player_id, player_last_name, player_first_name, player_number, team_name, competition_name
FROM player
JOIN team ON player.team_id = team.team_id
JOIN competition ON team.team_id = competition.team1_id OR team.team_id = competition.team2_id;

SELECT * FROM player_competition_view
WHERE competition_name = 'Champions League';

```

The 'Script Output' and 'Query Result' panes below show the results of the query:

PLAYER_ID	PLAYER_LAST_NAME	PLAYER_FIRST_NAME	PLAYER_NUMBER	TEAM_NAME	COMPETITION_NAME
1	Salah	Mohamed	11	CSU Craiova	Champions League
2	Edinson	Cavani	10	CSU Craiova	Champions League
3	Firmino	Roberto	9	CSU Craiova	Champions League
4	Van Dijk	Virgil	4	CSU Craiova	Champions League
5	Allison	Becker	1	CSU Craiova	Champions League
6	Giovanni	Azzurri	5	CSU Craiova	Champions League
7	Wijnaldum	Georginio	6	CSU Craiova	Champions League
8	Alexander-Arnold	Trent	66	CSU Craiova	Champions League

13. The following select statement selects player id player last name, first name and team id from the player table where teamid equals to any team id that is retrieved from team table where team name contains letter a. the any operator compares a value to each value in a list.

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays a tree view of database schemas, including COUNTRY, CUSTOMERS, DEPARTMENTS, EMPLOYEES, EVENT, JOB_HISTORY, JOBS, LINEUP, LOCATIONS, LOCATIONS1, LOCATIONS2, MANAGERS, ORDER_ITEMS, ORDERS, PLAYER, PRODUCT_INFORMATION, REGIONS, TEAM, TEAM_ID, TEAM_NAME, and WORKERS. The central workspace contains a query builder window with the following SQL code:

```

SELECT player_id, player_last_name, player_first_name, team_id
FROM player
WHERE team_id = ANY (SELECT team_id FROM team WHERE team_name LIKE '%A%');

```

The results pane at the bottom shows a table with the following data:

PLAYER_ID	PLAYER_LAST_NAME	PLAYER_FIRST_NAME	TEAM_ID
1	Popescu	Ion	2
2	Ionescu	Andrei	2
3	Matei	Marius	2
4	Nicolae	Alexandru	2
5	David	Andrei	2
6	Petrrescu	Ciprian	2
7	Dumitrescu	Adrian	2
8	Ionescu	Andrei	2

A Discord notification for Sandu Victor is visible in the bottom right corner.

14. So I wanted to replace all null values of player number with 0, and to do that I used nvl function. The nvl function replaces null values with a specified value in this case replaces any null values with 0.

The screenshot shows the Oracle SQL Developer interface. The left sidebar displays a tree view of database schemas. The central workspace contains a query builder window with the following SQL code:

```

SELECT player_id, player_last_name, player_first_name, NVL(player_number, 0) as player_number, team_id
FROM player;

```

The results pane at the bottom shows a table with the following data:

PLAYER_ID	PLAYER_LAST_NAME	PLAYER_FIRST_NAME	PLAYER_NUMBER	TEAM_ID
1	Salah	Mohamed	11	1
2	Mane	Sadio	10	1
3	Firmino	Roberto	9	1
4	Van Dijk	Virgil	4	1
5	Allison	Becker	1	1
6	Thiago	Alcantara	6	1
7	Wijnaldum	Georginio	5	1
8	Alexander-Arnold	Trent	66	1

15. For the last select statement, I wanted to delete events that happened in the minute less than 25.

The screenshot shows the Oracle SQL Developer interface. In the top navigation bar, the connection is set to 'oradb'. The left sidebar displays a tree view of database schema objects under 'Connections' and 'Reports'. The main workspace contains a 'Worksheet' tab titled 'Query Builder' with the following SQL code:

```

DELETE FROM event
WHERE event_id IN (SELECT event_id FROM event
                    WHERE minut < 25);

```

Below the worksheet is a 'Script Output' tab showing the results of the execution:

```

SQL Error: ORA-00942: table or view does not exist
00942. 00000 -  "table or view does not exist"
*Cause:
*Action:

2 rows deleted.

```

A status message at the bottom indicates: 'Task completed in 0.032 seconds'.

Me as a player for CSU Craiova.

The screenshot shows the Oracle SQL Developer interface with the connection set to 'oradb'. The top navigation bar includes tabs for 'oradb1.sql', 'Welcome Page', and 'oradb'. Below the navigation bar is a toolbar with icons for columns, data, constraints, grants, statistics, triggers, flashback, dependencies, details, partitions, indexes, and SQL. The main workspace displays the 'PLAYER' table data:

	PLAYER_ID	PLAYER_LAST_NAME	PLAYER_FIRST_NAME	PLAYER_NUMBER	TEAM_ID
1	55	Sava	Nicolae	1068	1
2	1	Salah	Mohamed	11	1
3	2	Mane	Sadio	10	1
4	3	1