

READ ME Document

The following document will guide you through viewing and testing our SQL project:

DDL and DML statements (Create statements, drop tables statements, insert statements, select statements)

Project_0506_02_SQLFiles.sql

<https://umd.instructure.com/>

DML Questions (SQL Select Statements)

–What players have the highest salary per position in descending order of player salary?

	Player First Name	Player Last Name	Player Position	Salary
1	Cristiano	Ronaldo	FW	26800000
2	David	de Gea	GK	19500000
3	Raphaël	Varane	DF	17680000
4	Carlos	Casemiro	MF	15600000

–Against what teams and in which venue does Manchester United keep the most possession, in descending order?

	Match Possession Percentage	Match Venue	Opponent
1	78	Home	cy AC Omonia
2	74	Home	md Sheriff Tiraspol
3	73	Away	cy AC Omonia
4	68	Away	md Sheriff Tiraspol

–What are the shot statistics of the top scorer on your team?

	Player Name	sttGoals	sttShotPG	sttShotOnTargPG	sttGoalPerShot	sttGoalPerShotOnTarg
1	Marcus Rashford	4.00	2.56	1.04	0.13	0.31

–What country provides the best players based on Goals and Assists?

	Country
1	ENG

References:

<https://fbref.com/en/squads/19538871/2021-2022/c9/Manchester-United-Stats-Premier-League>

<https://www.w3resource.com/sql-exercises/employee-database-exercise/sql-subqueries-exercise-employee-database-33.php>

How to Test Our Project:

- Run the first file, Project_0506_02_DDL_Main.sql in the SQL database
 - o Make sure you specify USE BUDT703_Project_0506_02 at the top of the page or you will not be able to access our tables and data

- You can then run certain select statements or queries based on the desired question you want to explore (just highlight all of the code for that specific question and hit -execute)

The screenshot shows a SQL query editor window titled "Project_0506_02_SQ...02 (AD\sofiv (123))". The query is as follows:

```
s.sttShotOnTargPG

-- What players have the highest salary per position in descending order of player salary?
SELECT p.plrFirstName AS 'Player First Name', p.plrLastName AS 'Player Last Name',
p.plrPosition AS 'Player Position', p.plrSalary AS 'Salary'
FROM [ModelTeammate.Player] p
WHERE p.plrSalary IN
    (SELECT MAX(plrSalary)
     FROM [ModelTeammate.Player]
     GROUP BY plrPosition)
ORDER BY plrSalary DESC;
```

Below the query editor is a "Results" window showing the output of the query. It contains a table with 5 columns: "Player First Name", "Player Last Name", "Player Position", and "Salary". The results are as follows:

	Player First Name	Player Last Name	Player Position	Salary
1	Cristiano	Ronaldo	FW	26800000
2	David	de Gea	GK	19500000
3	Raphaël	Varane	DF	17680000
4	Carlos	Casemiro	MF	15600000

The results of your query will display in a “Results” window below your code.

Tableau Sheets

Project_0506_02_tableau.twb

To view our tableau tables that match with our sql queries, run the above file in Tableau. Each question should appear in an individual sheet.

