# SPARQL Queries:

### What team is Player X currently playing for?

Related to ID 1

PREFIX wu: <http://sbwl.km.wu/>

PREFIX foaf: <http://xmlns.com/foaf/0.1/>

SELECT ?playerName ?teamName

WHERE {

?player wu:playsFor ?team .

?player foaf:name ?playerName .

?team wu:TeamName ?teamName .

FILTER(?playerName = "Erling Haaland") .

}

Result: “Manchester City”

### How many goals did Player X score in the season 22/23?

Related to ID 2

SELECT ?playerName ?goals ?season

WHERE {

?player foaf:name ?playerName .

?player wu:GoalsScored ?goals .

?player wu:Season ?season

FILTER(?playerName = "Cristiano Ronaldo") .

FILTER(?season = "22/23" )

}

Result: 34

### What playing position is Player X currently playing?

Related to ID 3

SELECT ?playerName ?positionName

WHERE {

?player foaf:name ?playerName .

?player wu:hasPosition ?position .

?position wu:PlayerPosition .

FILTER(?playerName = "Cristiano Ronaldo") .

}

Result: Striker

### What League ranking does Team X have in Season 23/24?

Related to ID 4

SELECT ?teamName ?ranking ?season

WHERE {

?team wu:TeamName ?teamName .

?team wu:TeamRanking ?ranking .

?team wu:TeamSeason ?season .

FILTER(?teamName IN ("FC Bayern Munich")) .

}

Result: 2

### What is the Pass Accuracy of Player X?

Related to ID 5

SELECT ?player ?playerName ?accuracy

WHERE {

?stats wu:hasStats ?player .

?player foaf:name ?playerName .

?stats wu:PassAccuracy ?accuracy .

FILTER(?playerName = "Kai Havertz")

}

Result: 0.9

### What formation does Team X play?

Related to ID 6

SELECT ?teamName ?formation

WHERE {

?team wu:TeamName ?teamName .

?team wu:TeamFormation ?formation .

FILTER(?teamName = "Real Madrid")

}

Result: 4-3-1-2

### What is the final score of the match between Team A and Team B?

Related to ID 7

SELECT ?homeTeamName ?awayTeamName ?score ?date

WHERE {

?match a wu:Match.

?match wu:HomeTeamID ?homeTeamID.

?match wu:AwayTeamID ?awayTeamID.

?match wu:Score ?score.

?match wu:Date ?date.

BIND(IRI(CONCAT(STR(wu:), ?homeTeamID)) AS ?homeTeamURI)

BIND(IRI(CONCAT(STR(wu:), ?awayTeamID)) AS ?awayTeamURI)

?homeTeamURI wu:TeamName ?homeTeamName.

?awayTeamURI wu:TeamName ?awayTeamName.

FILTER(?homeTeamName = "Manchester City")

FILTER(?awayTeamName = "FC Arsenal")

}

Result: 1-0

### How many yellow and red cards does player x have in this season?

Related to ID 8

SELECT ?playerName ?yellow ?red

WHERE {

?player foaf:name ?playerName .

?player wu:YellowCards ?yellow .

?player wu:RedCards ?red .

FILTER(?playerName = "Jude Bellingham")

}

Result: 7 Yellow 1 Red

### Which player has scored the most goals in a season?

Related to ID 9

SELECT ?playerName ?goals ?season

WHERE {

?player foaf:name ?playerName .

?player wu:GoalsScored ?goals .

?player wu:Season ?season

}

ORDER BY DESC (?goals)

LIMIT 1

Result: Cristiano Ronaldo

### How many assists does Player X have in the season 22/23?

Related to ID 10

SELECT ?assists

WHERE {

?player foaf:name ?playerName .

?player wu:Assists ?assists .

?player wu:Season ?season .

FILTER(?playerName = "Jude Bellingham")

}

Result: 30

### Which player has scored the most goals among the 5 Top League?

Related to ID 11

SELECT ?playerName ?teamName ?leagueName ?goals

WHERE {

?player wu:playsFor ?team .

?player foaf:name ?playerName .

?team wu:TeamName ?teamName.

?team wu:isPartOf ?league .

?league wu:LeagueName ?leagueName .

FILTER (?leagueName IN ("Premiere League", "Bundesliga", "Serie A", "Ligue 1", "La Liga"))

?player wu:GoalsScored ?goals .

}

ORDER BY DESC(?goals)

Result: Jude Bellingham

### How many games end with a score of 1-0 ?

Related to ID 12

SELECT ?homeTeamName ?awayTeamName ?score ?date

WHERE {

?match a wu:Match.

?match wu:HomeTeamID ?homeTeamID.

?match wu:AwayTeamID ?awayTeamID.

?match wu:Score ?score.

?match wu:Score "1-0". # Query for a specific score

?match wu:Date ?date.

BIND(IRI(CONCAT(STR(wu:), ?homeTeamID)) AS ?homeTeamURI)

BIND(IRI(CONCAT(STR(wu:), ?awayTeamID)) AS ?awayTeamURI)

?homeTeamURI wu:TeamName ?homeTeamName.

?awayTeamURI wu:TeamName ?awayTeamName.

}

Result: 2

### How many titles did Team X win?

Related to ID 13

SELECT ?teamName (COUNT(?trophy) AS ?trophyCount)

WHERE {

?team wu:TeamName ?teamName .

?team wu:wins ?trophy .

FILTER(?teamName = "FC Bayern Munich")

}

GROUP BY ?teamName

Result: 2

### Which individual award has Player X won during his career?

Related to ID 14

SELECT ?playerName ?awardName

WHERE {

?player a wu:Player.

?player foaf:name ?playerName.

?player wu:receives ?awardID.

?awardID wu:AwardName ?awardName.

FILTER(?playerName = "Robert Lewandowski")

}

Result: Germany's Footballer of the Year

### Are leagues from different continents considered or only European leauges?

Related to ID 15

Result: ONLY TOP 5 LEAGUES

SELECT ?lname

WHERE {

?league wu:LeagueName ?lname .

}

### What stadium does Team X play in?

Related to ID 16

SELECT ?teamName ?stadiumName

WHERE {

?team wu:TeamName ?teamName .

?team wu:playsIn ?stadium .

?stadium wu:StadiumName ?stadiumName .

FILTER(?teamName = "FC Bayern Munich")

}

Result: Allianz Arena

### What coach does Team x have?

Related to ID 17

SELECT ?teamName ?coachName

WHERE {

?coach a wu:Coach .

?coach foaf:name ?coachName .

?coach wu:manages ?team .

?team wu:TeamName ?teamName .

FILTER(?teamName = "Real Madrid")

}

Result: Carlo Ancelotti