1. Return the full name as a single string and the Identification number of all the players with German Citizenship and taller than 170cm.

```
SELECT ?name ?playerID ?pHeight WHERE{
     ?player rdf:type fo:Player;
             foaf:firstName ?fname;
             foaf:lastName ?lname;
             fo:playerID ?playerID;
             fo:height ?pHeight;
             fo:hasCountry countries:de.
     BIND(CONCAT(?fname,"",?lname) AS ?name).
     FILTER(?pHeight > 170)
}}
 SELECT ?name ?playerID ?pHeight WHERE{
          ?player rdf:type fo:Player;
                  foaf:firstName ?fname;
                  foaf:lastName ?lname;
                  fo:height ?pHeight;
             fo:playerID ?playerID;
             fo:hasCountry countries:de.
     BIND(CONCAT(?fname, "", ?lname) AS ?name).
     FILTER (?pHeight > 170)
```

}

2. Return the gameID and the events that happened during each game combined in one cell related to the player with the id = "187499".

GROUP BY ?gameID ?pName

3. Return the names of the top ten players who participated the most in the football games (appeared in games)

```
SELECT ?name ?pID (COUNT(?appearance) AS
?appearancesCount) WHERE {
    ?appearance rdf:type fo:Appearance;
                  fo:playerName ?name;
                  fo:playerID ?pID.
GROUP BY ?pID ?name
ORDER BY DESC(?appearancesCount)
LIMIT 10
SELECT ?name ?pID (COUNT(?appearance) AS ?appearancesCount) WHERE {
    ?appearance rdf:type fo:Appearance;
             fo:playerName ?name;
                 fo:playerID ?pID.
}
GROUP BY ?pID ?name
ORDER BY DESC(?appearancesCount)
limit 10
```

4. Return the players who scored or assisted more than 300 goals.

SELECT ?pID ?name (COUNT(?event)AS ?goalsNum) WHERE{

5. Is the market value of Real Madrid players is higher than the market value of Bayren München.

```
ASK WHERE {
{
 SELECT (AVG(?marketValueEuro) AS ?value1)
  WHERE {
   ?player rdf:type fo:Player;
       fo:marketValue?marketValueEuro;
       fo:ClubName?name.
      FILTER (REGEX(?name, "[Rr]eal Madrid*"))
 }
}
{
 SELECT (AVG(?marketValueEuro) AS ?value2)
  WHERE {
   ?player rdf:type fo:Player;
       fo:marketValue?marketValueEuro;
       fo:ClubName?name.
 FILTER (REGEX(?name, "[Ff]C Bayern München*"))
 }
}
FILTER(?value1 > ?value2)
}
```

6. Get the name and id of the club with the highest number of foreign players.

```
SELECT ?cName ?cID ?fNumber WHERE {
    ?club rdf:type fo:Club;
        foaf:name ?cName;
        fo:clubID ?cID;
        fo:foreigners ?fNumber.
}ORDER BY DESC(?fNumber)
LIMIT 1

SELECT ?cName ?cID ?fNumber WHERE {
    ?club rdf:type fo:Club;
        foaf:name ?cName;
        fo:clubID ?cID;
        fo:foreigners ?fNumber.
}ORDER BY DESC(?fNumber)
LIMIT 1
```

```
7. For each club get the name and age of the oldest player.
SELECT DISTINCT ?cNameOut ?pNameOut ?playerBirthDate{
         ?PlayerOut rdf:type fo:Player;
                         fo:playerID ?pIDOut;
                         foaf:name?pNameOut;
                         fo:birthDate?playerBirthDate;
           fo:ClubName?cNameOut.
  {
   SELECT ?cName (MIN(?bDate) AS ?oldest) WHERE {
      ?player rdf:type fo:Player;
           fo:playerID ?pID;
            foaf:name ?pName;
           fo:birthDate?bDate;
            fo:ClubName?cName.
    } GROUP BY (?cName)
  }
  FILTER(?cNameOut = ?cName && ?playerBirthDate = ?oldest)
SELECT DISTINCT ?cNameOut ?pNameOut ?playerBirthDate{
      ?PlayerOut rdf:type fo:Player;
              fo:playerID ?pIDOut;
               foaf:name ?pNameOut;
               fo:birthDate ?playerBirthDate;
              fo:ClubName ?cNameOut.
     SELECT ?cName (MIN(?bDate) AS ?oldest) WHERE {
        ?player rdf:type fo:Player;
              fo:playerID ?pID;
               foaf:name ?pName;
               fo:birthDate ?bDate;
               fo:ClubName ?cName.
      } GROUP BY (?cName)
   FILTER(?cNameOut = ?cName && ?playerBirthDate = ?oldest)
```

8. Return the names of the clubs which have less than 13 players and compete against each other in the same domestic league competition.

9. Return the number of the games that Arsenal club won in 2022.

```
SELECT (COUNT(?gameID) AS ?numGames)
WHERE {
{
  ?game rdf:type fo:Game;
     fo:gameID?gameID;
     fo:homeClubID ?CID;
     fo:homeClubGoals?goals1;
     fo:awayClubGoals ?goals2;
     fo:date?date.
    ?club rdf:type fo:Club;
       fo:clubID ?CID;
       foaf:name ?name
 FILTER (REGEX(?name, "[Aa]rsenal*") && ?goals1 > ?goals2 && ?date
>= "2022-01-01"^^xsd:date).
 }
 UNION
  ?game rdf:type fo:Game;
     fo:gameID ?gameID;
     fo:awayClubID ?CID;
     fo:homeClubGoals?goals1;
     fo:awayClubGoals ?goals2;
     fo:date?date.
  ?club rdf:type fo:Club;
     fo:clubID ?CID;
     foaf:name?name
 FILTER (REGEX(?name, "[Aa]rsenal*") && ?goals2 > ?goals1 && ?date
>= "2022-01-01"^^xsd:date).
}
}
```

10- Retrieve the names of the players who scored more than 30 goals in the competitions that happened after 2019 and were born after 1987.

```
SELECT ?cName ?pName (COUNT(?event) AS ?goalCount)
WHERE {
 ?event rdf:type fo:GameEvent;
    fo:gameID ?gID;
     fo:playerID ?pID;
    fo:eventType "Goals"^^xsd:string;
    fo:date?eventDate.
  ?player fo:playerID ?pID;
       foaf:name?pName;
        fo:birthDate?date.
  ?game rdf:type fo:Game;
      fo:gameID ?gID;
      fo:competitionID?cID.
  ?competition rdf:type fo:Competition;
           fo:competitionID?cID;
           foaf:name?cName.
  FILTER (?date >= "1988-01-01"^^xsd:date && ?eventDate >= "2020-
01-01"^^xsd:date)
} GROUP BY ?pName ?cName
HAVING (COUNT(?event) > 30)
SELECT ?cName ?pName (COUNT(?event) AS ?goalCount)
WHERE {
 ?event rdf:type fo:GameEvent;
     fo:qameID ?qID;
      fo:playerID ?pID;
     fo:eventType "Goals"^^xsd:string;
     fo:date ?eventDate.
  ?player fo:playerID ?pID;
       foaf:name ?pName;
       fo:birthDate ?date.
   ?game rdf:type fo:Game;
       fo:gameID ?gID;
       fo:competitionID ?cID.
   ?competition rdf:type fo:Competition;
           fo:competitionID ?cID;
            foaf:name ?cName.
   FILTER (?date >= "1988-01-01"^^xsd:date && ?eventDate >= "2020-01-01"^^xsd:date)
```

} GROUP BY ?pName ?cName
HAVING (COUNT(?event) > 30)