Take-Home Challenge :

Evaluate the following dataset to answer the questions below :
https://www.kaggle.com/karangadiya/fifa19/download

1. Implement a solution to store the FIFA19 dataset to enable frequent query and efficient analysis. Assume that the dataset size as well as the frequency of load may increase in the future as FIFA's daily delta datasets are available. Explain what you considered and the reason for your choice.

2. Write a function to find the answer to each of the following questions using the output of (i):
   a. Which club has the most number of left footed midfielders under 30 years of age?
   b. The strongest team by overall rating for a 4-4-2 formation
   c. Which team has the most expensive squad value in the world? Does that team also have the largest wage bill ?
   d. Which position pays the highest wage in average?
   e. What makes a goalkeeper great? Share 4 attributes which are most relevant to becoming a good goalkeeper?
   f. What makes a good Striker (ST)? Share 5 attributes which are most relevant to becoming a top striker ?

3. In addition to your solution in (1), also store the dataset in Postgres Database using a docker (postgres:11.5) where one can query for.
   Overall Rating (int), Position, Country, Name, Club Name, Wage(as decimal), Value (as decimal), Joined (date), Age (int)

Assumptions:

4-4-2 =>
                    GK
        RB CB/RCB CB/LCB LB
        RM/RWM LCM/CM RCM/CM LM/LWM
                RF/CF/LF ST

4-3-3 =>
                    GK
        RB LB CB/LCB CB/RCB
          RCM CDM LCM
           RF ST/CF LF

Midfielders =>
        RWM RM RCM CM CAM CDM LCM LM LWM

Submission & Guidelines:
   - Share the solution using a publicly accessible github project which can be run using IntelliJ/gradle/maven
   - Use of Apache Spark or similar framework is recommended
   - Please provide instructions on how to run it.