Question 1:

Why do you want to work at a start-up? Could you tell us which is your favorite start-up company (ideally in Mexico) and why?

I would like to work in a start-up because I would like to grow together with it. Also, I think that as an "Intern" I could acquire more experience in a startup, since I will probably be in contact with different areas or teams and I will have a more direct relationship with clients .

I am not very aware of the latest startups, but I did some research in which I found that the Konfio company uses data science to decide whether or not to grant a loan to a client. A few months ago I also talked with a team of programmers from the company TanTan Solutions and it was very interesting to learn about the technology they implement to digitize processes of different kinds. I would say that I would feel comfortable working in any startup where they use technologies to process data in order to make good decisions and optimize processes.

Question 2:

Write a Python program to test if a given page is found or not on the server.

Check the Question2.ipynb

Question 3:

If we gave you a million dollars to travel with someone for 2 months, where would you go, who would you take and why?

Without a doubt, I would choose my best friend. She moved to another country several years ago and I think a two-month trip on that budget would allow us to make up for lost time. I have three ideas for a trip with my best friend: I would like us to tour all of Mexico, getting to know magical towns, visiting beaches and trying the food of each region, I would also like to visit Disneyland and Hollywood Studios in Florida, or a tour of Europe I think is a good option too.

Question 4:

How many goals were scored in amateur football matches on November 15, 2019 in Brazil? We know you can't know exactly, but give us your best guess. Explain your answer.

First of all, I googled it

Wikipedia: This was againts Argentina

1000	15 November 2019	King Saud University Stadium, Riyadh (N)	🇧🇷 Brazil	1–0	2019 Superclásico de las Américas	Messi	22,541	[1][133]

ESPN agrees with what I found on Wikipedia. And they both say it happened at the Superclasico
https://global.espn.com/football/report?gameId=558545

Brazil 🇧🇷 0   FT   ▶ 1 🇦🇷 Argentina

Lionel Messi goal pushes Argentina past Brazil in return from suspension

Reuters   15 Nov, 2019

Lionel Messi returned from international suspension to score the winner in Argentina's 1-0 victory over Brazil in Saudi Arabia on Friday.

The Barcelona striker, who missed four games after calling the South American Football Confederation "corrupt," scored after 14 minutes to give Argentina a deserved victory in the so-called Superclasico.

Eurosport says the same.
https://www.eurosport.com/football/international-friendlies/2019/live-argentina-brazil_mtc1150665/live.shtml

Argentina 1 - 0 Brazil
L. Messi 14'
FINISHED
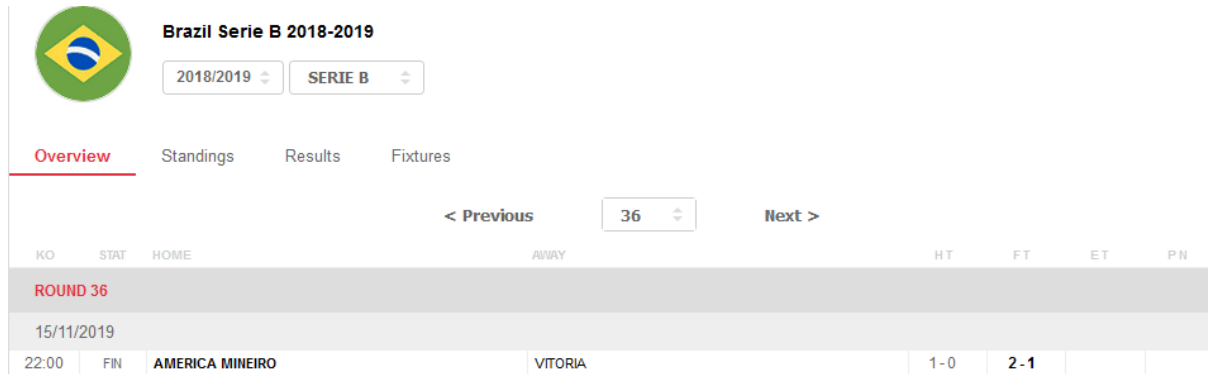15/11/19
MRSOOL Park
INTERNATIONAL FRIENDLIES • REGULAR
SCORES

Even though, these results don't convince me because you are asking about amateur football, and I don't think amateur football players played against Leonel Messi, so…

I found the following information:

America Mineiro won with 2 goals

But I found another page in which I can see another team that played that day and got 1 goal: RB Bragantino
(https://www.resultados-futbol.com/segunda_brasilena2019/grupo1/jornada36)

So, I would say thay amateur football **got 3 goals that day**.

Question 5:

Write a Python program to get the number of datasets currently listed on datos.gob.mx. Extra point: How many datasets are by file type?

Check the Question5.ipynb

Question 6:

Write a Python program that turns the information from this link https://analytics.usa.gov/data/live/realtime.json into a table. Extra point: If you had to gather the information for this website, how would you do it?

Check the Question6.ipynib