DB exercise

## **1st Part (9/11/2023)**

1. Create a migration for a table called “mountains”. The table needs the following columns:
   1. id
   2. name
   3. height
   4. belogsToRange: boolean to tell if the mountain belongs to a mountain range or not
   5. firstClimbDate: the date of the first registered climbing expedition that got to the top.
   6. continent: enum type that can only have one of these values: Afrika, Asia, Europe, America, Oceania.
2. Create a Seeder class to add some mountains where you write the values as literals.
3. Create a Factory class to create 10 mountains. The data for each mountain has to be random.
4. Create an invokable controller that uses Query Builder to get:
   1. a list of all the mountains that are part of a mountain range and were climbed for the first time after 2000 and are located in Europe.
   2. a list of all the mountains that are at least 1500 meters tall, or don’t belong to a mountain range and the name doesn’t start with a vowel.

These collections have to be passed to a view to list their contents.

## **2nd Part (13/11/2023): ELOQUENT**

1. Create a Mountain model with the attributes described in the mountains table.
2. Create another Seeder to add new mountains using the Mountain model (create new Mountain objects and save them in the db).
3. Create another controller that has the following methods:
   1. index: to list all the mountains ordered by first climbing date.
   2. show: that takes an id as a url parameter and shows the details of the mountain with that id.
   3. max: that shows the details of the highest mountain in Europe that belongs to a mountain range.