1.   Coding Exam:

Imagine you are now working in Ørsted and its the first day of the Sprint. You are tasked to handle one user story where you will create a REST API and a Django framework as backend REST API .

You feel challenged! You set off to work, smiled and start coding!

User Story # 10001
Assigned to: You
Technology:
>   Django
>   Pandas

Description:
1.   Create a REST API that will read an excel file with Employee records as shown below (you can also add more records) :

Emp#	First Name	Last Name	Emp. Status	Country	DOB
001	John	Doe	Regular	Denmark	10/Dec/1988
002	Jane	Doe	Contractor	Denmark	1/Dec/1972
003	Harry	Potter	Regular	Malaysia	23/Mar/2000
004	Mohd	Ali	Contractor	Malaysia	3/Feb/1991
005	Janice	Wang	Regular	Taiwan	6/Jul/1998

2.   Create an Django RestApi that will do the following:
   •   Write a function with returning JSON text of all the employees and their details in a table using GET method
   •   Write a function with returning JSON text with employee with filter status = 'Regular' using GET method.
   •   Write a function with return JSON text with number employee from different country using GET method
   •   Write a function with POST method on dynamically given filter such as
      o   Emp. Status
      o   Country
      o   Emp.#
      o   First Name / Last Name with wildcard search
      o   Date of Birth with range of date
      Assumption: Not all field above is mandatory it can be optional

Acceptance criteria:
1.   We want to see how you adhere to SOLID and OOP principles.
2.   We also want to establish your understanding of REST API.
3.   We also want to check how you will deliver quality codes.