**You’re hired as a Data Engineer by GoFrieghts, a leading logistics company to migrate the World Port Index data**

**from an old Access database to its modern relational database management system (PostgreSQL) and create data marts from analysis of the data.**

**QUESTIONS:**

**1. What are the 5 nearest ports to Singapore's JURONG ISLAND port? (country = 'SG',**

**port\_name = 'JURONG ISLAND').Your answer should include the columns port\_name and**

**distance\_in\_meters only.**

**2. Which country has the largest number of ports with a cargo\_wharf? Your answer should**

**include the columns country and port\_count only.**

**3. You receive a distress call from the middle of the North Atlantic Ocean. The person on the**

**line gave you a coordinates of lat: 32.610982, long: -38.706256 and asked for the nearest port**

**with provisions, water, fuel\_oil and diesel. Your answer should include the columns country,**

**port\_name, port\_latitude and port\_longitude only.**

**Submission:**

**You’re expected to submit a single link to the Github repository hosting the project.**

**NB: You’re expected to submit 3 links to the different project repositories. Each repository**

**should contain a README file that explain your code implementation and how to run the code.**

**Email to submit project to will be shared later on the group chat.**

**Configuration:**

**This section details how to configure the project, such as environment variables or configuration files.**

**Contributing:**

**Guidelines for contributing to the project, including information on how to report bugs, suggest new features, or submit code contributions.**

**License:**

**The project's license, which specifies how others can use, modify, and distribute the project.**

**Credits:**

**Acknowledgments for contributors, libraries, or resources that were used in the project.**

**Documentation:**

**Links to additional documentation, such as wikis, API references, or user guides.**

**Changelog:**

**A history of changes to the project, including new features, bug fixes, and other updates.**

**Support:**

**Information on how to get help or support for the project, such as links to issue trackers, forums, or community channels.**

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**Questions**

**If someone wants to run my code, how will it be done, will the person also create a database**

**Question 1 requirement and solution:**

**So i have to first of all create a database in postgres called 'World Port', which will receive the data from MS access.**

**The World Port Index contains the location and physical characteristics of, and the facilities**

**and services offered by major ports and terminals world-wide. You’re hired as a Data**

**Engineer by GoFrieghts, a leading logistics company to migrate the World Port Index data**

**from an old Access database to its modern relational database management system**

**(PostgreSQL) and create data marts from analysis of the data.**

**Your task:**

**1. Build and Extract Load (EL) pipeline in Python to migrate the World Port Index data from**

**Access database available here: on this link to PostgreSQL.**

**For each of the following questions, create a separate Python script that creates a table in**

**your PostgreSQL database.**

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