1. Which one of these functional skills is essential to the role of a Data Engineer?

1 / 1 point

- ○ Inspect analytics-ready data for deriving insights
- ○ Proficiency in working with ETL Tools
- ● The ability to work with the software development lifecycle
- ○ Proficiency in Mathematics

  ✓ **Correct**
As a Data Engineer, you will be required to work through different phases of the software development lifecycle, which includes, ideation, architecture, design, prototyping, testing, deployment, and monitoring.

2. Oracle Exadata, IBM Db2 Warehouse on Cloud, IBM Netezza Performance Server, and Amazon RedShift are some of the popular _____ in use today.

1 / 1 point

- ○ ETL Tools
- ○ Big Data Platforms
- ● Data Warehouses
- ○ NoSQL Databases

  ✓ **Correct**
These are some of the popularly used data warehouses.

3. To ensure business stakeholders can see real-time data each time they log into the dashboard, Sarah decided to build _____ to extract, transform, and load data on an ongoing basis.

1 / 1 point

- ○ A Python program
- ● A Data Pipeline
- ○ APIs
- ○ A sentiment analysis algorithm

  ✓ **Correct**
Data pipelines cover the journey of data from source to destination systems which include extracting, transforming, and loading data.