Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 70%. We keep your highest score.

Next item

1. Which task in ETL workflow can filter data based on a criterion? 1 / 1 point

- (●) Transform
- ( ) Extract
- ( ) Upload
- ( ) Load

Correct
Correct! Transform filters the data based on the required criteria.

2. How does generative AI safeguard data integrity and reliability within the repository? 1 / 1 point

- (●) Analyze data patterns
- ( ) Automate repetitive tasks
- ( ) Categorize data
- ( ) Automate access control list

Correct
Correct! GenAI can analyze data patterns and identify anomalies or inconsistencies, flagging potential data quality issues for further investigation and correction.

3. You want to use generative AI to find a database's total number of rows. Which prompt is most appropriate to show you the total number of rows? 1 / 1 point

- ( ) What is the total of rows?
- (●) What is the count of rows?
- ( ) What is the quantity of rows?
- ( ) What is the sum of rows?

Correct
Correct! This prompt will give the number of rows in the database.

4. You use generative AI for data analysis and mining a given data set. What sequential tasks will the following prompt generate in a generative AI tool like GPT-3? 1 / 1 point

"Write Python code to analyze and mine Salesdata.CSV file."

- ( ) Load the data set, Exploratory data analysis (EDA), Data cleaning, Data mining
- (●) Load the data set, Data cleaning, Exploratory data analysis (EDA), Data mining
- ( ) Data cleaning, Exploratory data analysis (EDA), Data mining, Load the data set

- Load the data set, Exploratory data analysis (EDA), Data mining

Correct
Correct! The generative AI tool will give these tasks in sequence in the response.

5. A digital musical video company is challenged to access relevant data for different user groups. Which generative AI solution will be the most suited to provide personalized access to users? **1 / 1 point**

- (•) Trained transformer models on user preferences and data usage patterns
- ( ) Trained transformer with a convolutional neural network (CNN) encoder and a recurrent neural network (RNN) decoder
- ( ) Stacked variational autoencoder (VAE) with separate encoders for different data modalities
- ( ) Variational autoencoder (VAE) with a convolutional neural network (CNN) encoder and a recurrent neural network (RNN) decoder

Correct
Correct! The solution is trained transformer models on user preferences and data usage patterns to personalize data access controls, granting appropriate permissions based on individual needs.

6. Which generative AI consideration determines the explainability and interpretability of the generated output? **1 / 1 point**

- ( ) Data
- ( ) Ethical
- ( ) Cultural
- (•) Model

Correct
Correct! The choice of generative AI model and training parameters determines the explainability and interpretability of the generated output.

7. Lack of data sharing can limit collaboration and hinder the development of more robust and generalizable models. What is this category of generative AI challenge? **1 / 1 point**

- ( ) Technical
- (•) Cultural
- ( ) Professional
- ( ) Organizational

Correct
Correct! Issues related to data sharing and collaboration come under cultural challenges.

8. Striking a balance between model complexity and interpretability comes under which generative AI challenge? **1 / 1 point**

- ( ) Personal
- ( ) Organizational

- ○ Cultural
- ◉ Technical

Correct
Correct! Striking a balance between model complexity and interpretability is a technical challenge.

9. Data engineers implement which consideration when they use robust data security measures and obtain informed consent from customers before using their data? **1 / 1 point**

- ◉ Ethical
- ○ Model
- ○ Technical
- ○ Data

Correct
Correct! Data engineers implement ethical consideration when they use robust data security measures, and obtain informed consent from customers before using their data.

10. In the retail industry, which consideration is implemented when generative adversarial networks (GANs) are used for generating realistic product images? **1 / 1 point**

- ○ Organizational
- ○ Data
- ◉ Model
- ○ Ethical

Correct
Correct! In the retail industry, model consideration is implemented when generative adversarial networks (GANs) are used to generate realistic product images.