1.

Question 1
What are some of the querying techniques you can apply to identify extreme values in a data column?
1 / 1 point
Maximum and Minimum values in a data column
Aggregation
Performing partial matches of data values
Slicing a data set

ANSWER: (A) Maximum and Minimum values in a data column

Correct
Finding the maximum and minimum values in a data column can help you identify extreme values in that column.

2.

Question 2
You can perform partial matches of data values in a data column using:
1 / 1 point
Slicing a data set
Average function
Count function
Filtering patterns

ANSWER: (D) Filtering patterns

Correct
Finding the maximum and minimum values in a data column can help you identify extreme values in that column.

3.

Question 3
Tools for _____ break up a job into a series of logical steps which are monitored for completion and time to completion.
1 / 1 point
Monitoring Query Performance
Job-level Runtime Monitoring
Application Performance Monitoring
Monitoring the amount of data being processed in a data pipeline

ANSWER: (B) Job-level Runtime Monitoring

Correct
Job-level runtime monitoring breaks up a job into a series of logical steps and monitors them for completion and time to completion.

4.

Question 4
Database partitioning helps optimize databases for performance. It does this by:
1 / 1 point
Tracking request response time and error messages

Reducing inconsistencies and anomalies in data
Minimizing the number of times a disk needs to be accessed when a query is processed
Dividing large tables into smaller individual tables

ANSWER: (D) Dividing large tables into smaller individual tables

Correct
Database partitioning is a process by which very large tables are divided into smaller, individual tables. It helps with data manageability and also impacts the speed of querying, cleansing, and analyzing operations on the database.

5.

Question 5
Database normalization is a design technique that helps reduce inconsistencies and anomalies from data.
1 / 1 point
True
False

ANSWER: (A) True

Correct
Database normalization helps reduce inconsistencies that arise out of data redundancy and also anomalies arising out of update, delete, and insert operations on databases.