CSE 232A
Graduate Database Systems

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Review Discussion
Review Question

Which of the following parallelism paradigms is making a “comeback” in the cloud-native RDBMS setting thanks to faster networks?

A  Shared-disk
B  Shared-memory
C  Shared-nothing
D  None of the above
Review Question

Which of the following capabilities help RDBMSs handle more complex objects than simple SQL data types?

A. PL/SQL
B. Streaming queries
C. UDTs and UDFs
D. None of the above
Review Question

What is resource elasticity?

A  Massively parallelizing computations
B  Upsizing and downsizing resources dynamically
C  Tolerating machine failures dynamically
D  None of the above
Review Question

Which relational operator’s data access pattern is closest to that of gradient descent?

A  PROJECT
B  JOIN
C  GROUP BY SUM
D  GROUP BY MEDIAN
Review Question

Which of the following ML-for-RDBMS capabilities is aimed at reducing user effort to specify database queries?

A  Learned index structures
B  Learned query optimizers
C  Automated configuration tuning
D  Natural language interfaces