SDEV 350 Homework 2 – Database Architecture Comparison

Overview:

This homework will allow you to research, document and compare major components of the Oracle 12c database and at least one other relational or NoSQL database of your choice. Many choices exist for comparison with Oracle including MySQL, SQL Server, Amazon Dynamo and Google's Cloud datastore.

Assignment: Total 100 points

Using available documentation for Oracle 12c and one other database of your choice, research and provide a unique comparison of the architecture (physical, logical, processes, memory, application, network and other areas as appropriate). Be sure to create summary presentation tables and diagrams to enhance your descriptions. The document should be based on referenced readings using your own words. In your description be sure to discuss your reasons for selecting the database you used for comparison.

Your document should be strongly technical in nature (i.e., it should **not** read like a Vendor's product brochure) However; It should be well-organized, well-written and provide all references used for your research. There should be minimal spelling and grammatical errors.

Your document should be double-spaced, using a 12-point font of your choice. It is envisioned the document will be between 8 and 20 pages in length. A well-organized, efficiently written paper that covers the topics is recommended.

Deliverables:

Submit your paper in Word or PDF format no later than the due date.

Grading Rubric:

Attribute	Meets	Does not meet
Technical content	**70 points** Uses available documentation for Oracle 12c and one other database of your choice. (10 points) Provides a unique comparison of the architecture (physical, logical, processes, memory, application, network and other areas as appropriate). (30 points) Includes summary presentation tables and diagrams to enhance your descriptions. (20 points)	**0 points** Does not use available documentation for Oracle 12c and one other database of your choice. Does not provide a unique comparison of the architecture (physical, logical, processes, memory, application, network and other areas as appropriate). Does not include summary presentation tables and diagrams to enhance your descriptions.

	Discusses your reasons for selecting the database you used for comparison. (10 points)	Does not discuss your reasons for selecting the database you used for comparison.
Writing mastery	**30 points** Document is well-organized and well-written. (10 points) Provides all references used for your research using APA style citing guidelines. (5 points) Contains minimal spelling and grammatical errors. (5 points) Document is double-spaced, uses a 12-point font of your choice, the length is between 8 and 20 pages. (10 points)	**0 points** Document is not well-organized or well-written. Does not provide all references used for your research using APA style citing guidelines. Contains multiple spelling and grammatical errors. Document is not double-spaced, does not use a 12-point font of your choice, and the length is not between 8 and 20 pages.