

Database Applications

Paper titles

Write one of the following as part of your assignment.

Each submission should be approximately 3000 words.

Multimedia Databases

- Read the article referenced here. Find out about Oracle's implementation of Multimedia.
- Check out how the industry rates different multimedia database options.
- Possible starting point:
 - <http://www-itec.uni-klu.ac.at/~harald/MMDBoverview.pdf>

Temporal databases

- What is the purpose of temporal databases?
 - What is the need for temporal data?
- What has Oracle done to promote the use of temporal data?
- Possible starting point:
 - <http://www.cs.arizona.edu/people/rts/sql3.html>

Document storage in databases

- What is the challenge of document storage and retrieval?
- How does Oracle handle this problem?
- Possible starting point:
 - <http://www.linuxjournal.com/article/8176>

Oracle v Open Source

- Look at the different types of open source databases.
- Compare and contrast Oracle with them.
- Make sure to represent both sides of the argument.
- Possible sources:
 - <http://www.geocities.com/mailsoftware42/db/>
 - http://searchoracle.techtarget.com/news/article/0,289142,sid41_gci1179016,00.html

Standards

- Write a paper discussing the difference between ANSI standard SQL:2003 and SQL:1999 and its implications regarding PostgreS.
- Possible starting points:
 - <http://www.sigmod.org/sigmod/record/issues/0403/E.JimAndrew-standard.pdf>
 - <http://www.postgresql.org/about/featurematrix>

Data Mining tools

- What is data mining?
- Possible starting points:
 - <http://www.anderson.ucla.edu/faculty/jason.frand/teacher/technologies/palace/datamining.htm>
- Which are the leading commercial / open source data mining tools and why?

Paper

- Marking Scheme
 - Content, relating to topic set 40%
 - Structure 15%
 - Referencing 15%
 - Analysis 15%
 - Conclusion 15%
 - Total 100%