King AbdulAziz University
College Of Computing and Information Technology
Computer Science Department

Databases Systems – CS241, First Semester 2009/2008

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Office Hours: Sunday 11-2:30, Monday 10:30-11:30, Tuesday 8-9:30, 11-12:30, Wednesday 9:30-1

Lab Objective:

The student will learn the SQL language and how to develop simple business applications using popular DBMS: MS-Access and OracleDB ExpressEdition10g ,Oracle SQL Plus and Oracle developer.

- Learn how to create and edit tables to store data about one specific topic,
- Use queries to ask questions and find information quickly,
- Design forms for viewing the information,
- And design reports for printing results.
- Understand the use of Structured Query Language (SQL) and learn SQL syntax.

Lab Policy:

- lab depends on Quizzes, assignments, and lab work.
- Any student who cheats in a quiz will receive a zero .copying other student's work letting other students copy your work
- check your email for information from the instructor.
- Read your assignments very well (Requirements and due dates) .
- Late assignment is not accepted.

Grading Policy:

- 10 Marks, includes (Lab Work + Quizzes + Assignments)

Software Requirements:

Microsoft ACCESS-2003, Oracle 10g, Oracle Developer,

Useful Tutorials

Access:
http://cisnet.baruch.cuny.edu/holowczak/classes/2200/access/accessall.html
http://www.fgcu.edu/support/office2000/access/

Oracle - Complete Student Guide for SQL/PLSQL:
http://www.saddleback.cc.ca.us/faculty/mbhimaraju/D11782GC11Pvol1.pdf
http://www.cs.odu.edu/~dba_web/Stu%20Guide/

Lab Calendar:

Month	Week	Date	What to cover in the Lab.
sawal	1	Sat 25/10 – Wed 29/10	**Introduction to Microsoft Access** • Creating a new table (Datasheet/ Design view) • Specifying the primary key • Setting field properties • Using the input mask wizard
Dhul-Qa'da	2 (ass1)	Sat 3/11 - Wed 7/11	**Relationships- Microsoft Access** • Creating relationships between tables • Editing and deleting relationships • One-to-many relationships • Referential integrity Forms and report self study
	3	Sat 10/11 - Wed 14/11	Oracle express edition
	4	Sat 17/11 – Wed21/11	Oracle express Queries
	5 (ass2)	Sat24/11 - Wed 28/11	**Form Fundamentals** • Creating a form from scratch **Reports**
Dhul-Hijja	6	Sat 1/12 – Wed 4/12	**Introduction to Oracle: SQL*PLUS** • Create/Alter/Drop table (SQL) • Insert/Update/Delete records(SQL)
		Vacanse 5/12-15/12	
	7	Mon 16/12 – Wed 19/12	**Queries in Oracle** • Basic SQL queries • Complex WHERE clauses • Join queries
	8 (ass3)	Sat 22/12 - Wed 26/12	Aggregation functions, Sub query
	9	Sat 29/12- Wed 3/1	Quiz-sql
mohram	10	Sat 6/1 - Wed 10/1	Oracle Form /report developer
	11	Sat 13/1- wed 17/1	Oracle Form /report developer
	12	Sat 20/1 - Wed 24/1	Oracle Form /report developer
	13	Sat 27/1 - Wed 2/2	Oracle Form /report developer