

COP4710 Embedded Assessment Report

Fall 2011

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On November 22, 2011, embedded assessment was conducted in the class. Fifteen (15) in-class students answer the five questions (Table 1) in order to check whether the learning results match with the course outcomes (Table 2).

Table 1: Questions

Fall 2011: COP4710 Database Management	
PID:	_____
1.	___
2.	___
3.	___
4.	___
5.	___
DELETED FOR PUBLICATION (NP)	

Table 2: Course Outcomes

Course Outcomes:
1. Be exposed to information systems
2. Be familiar with database system and database architecture
3. Master the design conceptual schemas
4. Master normalization theory and the mapping of a conceptual schema to a relational schema
5. Master the expression of queries in SQL, relational algebra, and relational calculus
6. Be familiar with physical database design
7. Be familiar with writing application programs that use SQL

Table 3 corresponds the questions to the course outcomes.

Table 3: Examination Questions Corresponding to Course Outcomes

Question	Course Outcomes
1	1, 2
2	3, 6
3	5
4	7
5	4

Table 4 shows the results of students' answers to these five questions: correct answer (denoted as C) and wrong answer (denoted as W).

Table 4: Examination Results and Performance

Student PID	Question 1	Question 2	Question 3	Question 4	Question 5	# Correct / Total Questions	Correct Percentage (%)
Edited	C	C	C	W	W	3/5	60
For	C	C	C	C	W	4/5	80
Privacy	C	C	C	W	W	3/5	60
	W	C	C	W	C	3/5	60
	W	C	C	W	C	3/5	60
	C	C	C	W	C	4/5	80
	C	C	C	W	C	4/5	80
	C	W	C	C	C	4/5	80
	C	C	C	C	W	4/5	80
	C	C	W	C	C	4/5	80
	W	C	C	W	C	3/5	60
	C	C	C	C	C	5/5	100
	C	C	C	W	C	4/5	80
	C	C	C	C	C	5/5	100
	W	C	C	C	C	4/5	80

Table 5: Examination Questions Corresponding to Learning Outcomes

Question	Course Outcomes
1	1.1, 2.1, 3.1
2	4.1
3	3.2, 5.1
4	5.2, 7.1
5	6.1

Assessment:

From the results, it shows that the students have good course outcomes: 2 students with 100% performance, 8 students with 80% performance, and 5 students with 60% performance.

Students did very well for questions 2, and 3 (corresponding to course outcomes 3, 5 and 6). Students also did well for questions 1 and 5 (corresponding to course outcomes 1, 2 and 4). Eight (8) students answered question 4 wrong. This question asked to identify how many join operation in a SQL query though this is the example discuss in the class.