HOA LAC

PRACTICAL EXAM

BLOCK 1 – SPRING 2018

14/03/2018

Paper No: 12

SUBJECT: Database System (DBI202)

Duration: 85 minutes

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STUDENT INFORMATION

Name:		Roll number:	
Room No:		Class:	

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FOR STAFF ONLY

	Signature of Proctor	**MARKED BY** ME AND SIGNATURE)	

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INSTRUCTIONS

Please read the instructions carefully before doing the questions.

- You can use materials in your computer, notebook and text book.

- While doing the PE exam, you **must disconnect your computer from a network**.

- You are **NOT allowed** to use any device to share data with others.

Beside the above conditions, students must follow the following requirements**:**

1. Down load the compressed file in the **\\fstu\Khao_Thi\03_Exam_Online\PRJ311_for students.zip** to your computer and decompress it.

2. ==**THIS PART IS VERY IMPORTANT, PLEASE READ IT CAREFULLY AND FOLLOW THE INSTRUCTIONS.**==

   - ==BEFORE starting doing anything. Open your SQL Server creates a database named DBI202_SPRING18_SAMPLE_TEST==

   - ==Create a folder named **RollNo_Name_DBI202_PaperNo** [(1)] **,** e.g. se01245_LongNT_DBI202_01. All files created are located under above folder.==

   - ==For each question asks to write a database script. Create a file with the name corresponding to the index of the question. For example, **for question 1, part a**, we will create a file named **1_a.sql**, **for question 3**, we will create a file named **3.sql**. This file contains only the required workflow commands that do not include other commands including the database context switch (**not including use [database name]**).==

   - ==The questions do not require writing a database script, use the pen to fill in the test paper.==

==One of the above conditions is not met, your work is considered unsatisfactory in this section==

3. On completion, compress the whole folder (1) with the same name in ZIP or RAR format and copy the compressed file to:

   \\fstu\Khao_Thi\04_Nop_Bai_Thi\PRJ311_15.10\ROOM <Your room>

Ex: you're in Room 510 => copy your compressed file to

\\fstu\Khao_Thi\04_Nop_bai_thi\PRJ311_15.10\ROOM 510

4. **Write your name and your roll number and hand in exam papers.**

If at least one of the above requirements is not followed, the exam will get ZERO.

QUESTIONS

1.a. Create tables Hobbies(ho_id int(PK), ho_name varchar(30)) and Hobbies_Students(hs_ho_id int, hs_st_id varchar(10)).

  b. Add field Student(hometown varchar(200)) and modify field Student(studentAddresss varchar(200)).

2.a. Add a record into table Class and two related records into table Student.

  b. With each added records in table Student, add at least two records into table Hobbies_Students.

3.Create a trigger to validate the data inserted into table Student have to satisfied the age not smaller than 15. If the data is invalid, let's rollback it.

4. Create a stored procedure with parameter to be schoGranted (from table Scholarship) and return the list of students who win scholarship higher than schoGranted.

5. List all male students who are elder than 20.

6. List all students and their class name.

7. List all students who win highest scholarship.

8. List the total budget to grant for each types of scholarships.

9. List all students who have the highest average score or win the highest scholarship.