School of Information and Computer Technology Sirindhorn International Institute of Technology Thammasat University

CSS326 Database Programming Laboratory

Laboratory Assignment #11
Store Procedure, Function & Triggers

Assignment 1: Import database named "BANK" from given resource file in database folder. The following figure shows the structure of BANK database. Note that all fields must set to allow NULL value except primary key. Write store procedures to deposit and withdraw amount of money.

Submission:
 Put all the trigger statements into a single word file & upload as a pdf file. (Score: 5 marks)

account Table

Field	Type	Length Values	Extra	Primary Key
id	INT		Auto_increment	Yes
no	VARCHAR	20		
name	VARCHAR	200		
creditLimit	DOUBLE			
bal	Float			

transaction Table

Field	Type	Length Values	Extra	Primary Key
id	INT		Auto_increment	Yes
type	char	1		
amount	float			
date	datetime			
accid	INT			

Figure 1: Account and Transaction table.

Assignment 2: Import database named "BANK" from given resource file (as before/ use the same database) in database folder. The following figure shows the structure of BANK database. Note that all fields must set to allow NULL value except primary key.
1. Write Trigger to prevent transaction edit.
2. Write Trigger to check balance of money before insert.
   If balance of money is not enough to Withdraw, please alert message "Not enough money", however, if balance of money is enough, insert the record and update new balance to "bal" column.

Submission:
Put all the trigger statements into a single word file & upload as a pdf file. (Score: 5 marks)