

National University of Computer and Emerging Sciences



Lab Manual

“Stored Procedure, Views and Triggers”

Database Systems

Department of Computer Science

FAST-NU, Lahore, Pakistan

EXERCISE

Please run the “**Script.sql**” script on your newly created database and then start on the questions listed below.

1. Create a VIEW to display details of owner and boats owned by each owner (all details of owned boats and their respective owners only). Write script to execute the created VIEW.
2. Create a VIEW to get all reservation details of sailors and boats they’ve reserved (all details of the sailors who have reserved any boat and their respective boats as well). Write script to execute the created VIEW.
3. Create a PROCEDURE to display owner name and number of boats owned by owner by using VIEW created in Question 1. Write script to execute the created PROCEDURE.
4. Create a VIEW that inserts details of owner and their respective boats. Write script to execute the created VIEW.
5. Create a TRIGGER that is fired whenever a PROCEDURE is created or dropped and displays message “Alert! Someone tried to drop a procedure on date and time” (Date and time when the TRIGGER fired).
6. Create a TRIGGER that is fired whenever any record is inserted in VIEW created in Question 4, and displays owner name and number of boats owned by owner using PROCEDURE created in Question 3. Write script to execute the created TRIGGER.