**Topic 5: Alter**

(Please prepare all the necessary scripts before coming to class)

References

1. Hoffer, J.A., and Venkataraman, R. 2011. *Modern Database Management.* 10th edn. Prentice Hall.

Chapter 6 & 7

1. SQL Language Reference

ALTER TABLE, CREATE TABLE

1. Any other SQL reference books.

Assume that we are now required to maintain data about staff salary. Currently, the staff table is designed as:

create table staff (

staff\_id number(4) not null,

staff\_name varchar(25) not null,

date\_join date,

birth\_date date,

primary key(staff\_id)

);

But first, insert one more record into the staff table, Use you own details as the new staff.

Insert into staff values(. . . . . . . . . . . );

1. Change the table structure of the **staff** table by adding a **new column** named ***salary*** to store a staff’s monthly salary.

alter table staff

add (salary number(7,2));

Execute the following commands:

desc staff

select staff\_id, staff\_name, date\_join, salary

from staff;

What do you see?

1. Remove the salary column from the staff table.

alter table staff

drop (salary);

desc staff

What do you see?

1. Add a salary column to the staff table using the following command.

alter table staff

add (salary number(7,2) default 900.00);

Write the SQL statements to check the result.

1. What is the maximum salary that you can give to a staff based on what you have defined for the ***salary*** attribute?

1. To give yourself a salary of 10,000.00 a month, do the following:

update staff

set salary = 10000.00

where staff\_id = [insert your staff\_id here];

Check the result.