

Computer Information Systems

Database Administration

SQL Review 1

General Notes

Character values must be in ' ' (single quotes)
Field lists must be separated by ,

Commands

Select

- Syntax: SELECT <*>|field|fieldlist> FROM <tablename>
- Syntax: SELECT <*>|field|fieldlist> FROM <tablename> WHERE <whereclause>
- Syntax: SELECT <*>|field|fieldlist> FROM <tablename> ORDER BY <field> [DESC] [,<field> [DESC]...]
- Syntax: SELECT <*>|field|fieldlist> FROM <tablename> WHERE <where clause> ORDER BY <field> [DESC] [,<field> [DESC]...]
- Syntax: SELECT <*>|field|fieldlist> FROM <tablename> INNER JOIN <table2> ON <tablename.field> = <table2.field>
- Syntax: SELECT <*>|field|fieldlist> FROM <tablename> RIGHT|LEFT OUTER JOIN <table2> ON <tablename.field> = <table2.field>

Insert

Syntax: INSERT [INTO] <tablename> [(<field list>)] VALUES (<datavalues>)

Update

Syntax: UPDATE <tablename> SET <fieldname> = <value> [, <fieldname> = <value> ...] [WHERE <whereclause>]

Delete

Syntax: DELETE [FROM] <tablename> [WHERE <whereclause>]

Create Database

Syntax: CREATE DATABASE <database name>

Create Table

CREATE TABLE tablename (<Column1> <fieldType> [PRIMARY KEY, UNIQUE, IS NULL], ...)

Field Types

Char(n), int, dec, datetime...