

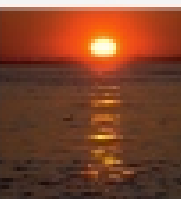


Lecture 6: SQL

Chapter 3

Database System Concepts, 5th Ed.

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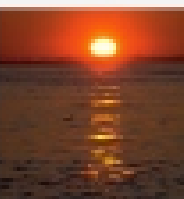


Administrative issues

- SQL assignment
- SQL*plus documentation
http://www.oracle.com/technology/docs/tech/sql_plus/index.html
- SQL documentation
See SQL reference in:
<http://www.oracle.com/pls/db102/homepage>
- Note – for drawing ER diagrams
DiaCze (Windows)
<http://www.cze.cz/downloads.php>
Kivio (Linux, Mac)
<http://www.koffice.org/download/>
Dia (Linux, Windows)
<http://live.gnome.org/Dia/Download>

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Domain Types in SQL

- **char(*n*)**. Fixed length character string, with user-specified length *n*.
- **varchar(*n*)**. Variable length character strings, with user-specified maximum length *n*.
- **int**. Integer (a finite subset of the integers that is machine-dependent).
- **smallint**. Small integer (a machine-dependent subset of the integer domain type).
- **numeric(*p,d*)**. Fixed point number, with user-specified precision of *p* digits, with *n* digits to the right of decimal point.
- **real, double precision**. Floating point and double-precision floating point numbers, with machine-dependent precision.
- **float(*n*)**. Floating point number, with user-specified precision of at least *n* digits.
- More are covered in Chapter 4.

