

HW1. Simple DB design

Due date: 2010/9/14 pm 2:00

1 Goal

- Install open-source DBMS on your PC. Postgres(recommend), my-sql, etc.
- Create at least 5 tables.
- Add at least 5 rows to each table.
- Write 10 meaningful SQL queries.
- Create 2 views.

2 Example

Tables

```
create table Sailors (sid int, sname varchar(20), rating int, age int);
create table Boats (bid int, bname varchar(20));
create table Reserves (sid int, bid int, day date);
```

Rows

```
insert into Sailors values (22, 'dustin', 7, 45);
insert into Sailors values (28, 'yuppy', 9, 35);
insert into Sailors values (31, 'lubber', 8, 55);
insert into Sailors values (44, 'dustin', 5, 35);
insert into Sailors values (58, 'rusty', 10, 35);
```

```
insert into Boats values (101, 'Green');
insert into Boats values (103, 'Yellow');
```

```
insert into Reserves values (22, 101, timestamp '1996-10-10');
insert into Reserves values (58, 103, timestamp '1996-11-12');
```

Meaningful queries

Find names of sailors who've reserved boat #103:

```
SELECT S.sname  
FROM Sailors as S, Reserves as R  
WHERE S.sid = R.sid  
and R.bid = 103;
```

3 Reference document

SQL tutorial: <http://www.postgresql.org/docs/8.4/interactive/tutorial-sql.html>
View tutorial: <http://www.postgresql.org/docs/8.4/interactive/tutorial-views.html>

4 Submit

Send a email to **dbms@kdb.snu.ac.kr** w/ SQL queries and meanings of SELECT queries.

And submit a hard copy at class hour.