




Section 1
Introduction

INTRODUCTION TO DATABASE SYSTEMS

CSE 444



Agenda

- Introduction
 - Connecting to SSMS
 - Basic SQL Demo
 - Project 1
- 

Ahem... Let's Introduce Ourselves


- Your name (clear and loud please)
- Class standing (freshman-xth year senior)
- Something interesting
 - I am taking db because ...
 - I climbed Mt. Everest this Summer ...
 - Be creative!

Connecting to SSMS

- SQL Server Management Studio (Microsoft)
- Log in to a lab PC, or rdesktop into aria
- Run SQL Server Management Studio
 - Programs >> Microsoft SQL Server 2008 >> SQL Server Management Studio
- Login:
 - Username: <your_uw_netid>
 - Password: <see lecture 1 slides>
 - Server: iisqlsrv
 - Authentication: Sql Server Authentication
- **CHANGE YOUR PASSWORD! (see link below for intructions)**
- <http://www.cs.washington.edu/education/courses/cse444/CurrentQtr/resources/SQLServerInstrctr.html>
- Email TAs (paramsan preferably) in case of any issues with login asap!



Basic SQL

- SELECT column(s)
 - FROM Table(s)
 - WHERE condition(s)
 - GROUP BY column(s)
 - HAVING special_condition(s)
- 

Query from Lecture 1

```
SELECT *  
FROM Actor, Casts, Movie  
WHERE Actor.id = Casts.pid AND  
Casts.mid = Movie.id AND  
lname='Hanks' AND  
Movie.year = 1995
```

More Queries

Select actors from popular movies:

```
SELECT DISTINCT Actor.id, Actor.fname, Actor.lname, Actor.gender
FROM Movie, Casts, Actor
WHERE Movie.rank > 9.5 AND
       Casts.mid = Movie.id AND
       Actor.id = Casts.pid
```

Count of actors with same fname and gender, sorted:

Note: This was contributed by one of the students in section 2 near the end (and covered clauses not discussed so far).

```
SELECT fname, gender, COUNT(*) AS 'count'
FROM Actor
GROUP BY gender, fname
ORDER BY 'count' desc
```

Note: 'count' can also be specified as [count] to avoid conflict with the function count().

Project 1

- **Project₁ link:**
 - Due 10/14/09, Wednesday
 - <http://www.cs.washington.edu/education/courses/cse444/CurrentQtr/project/project1/project1.html>
- Make sure everyone can log in to iisqlsrv
 - **AND DON'T FORGET TO CHANGE YOUR PASSWORD! (see link below for instructions)**
 - Email TAs (paramsan preferably) in case of any issues with login asap!
 - <http://www.cs.washington.edu/education/courses/cse444/CurrentQtr/resources/SQLServerInstructr.html>