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 instructions)
  • http://www.cs.washington.edu/education/courses/cse444/CurrentQtr/resources/SQLServerInstructr.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:

```
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().

Note: This was contributed by one of the students in section 2 near the end (and covered clauses not discussed so far).
Project 1

• Project 1 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!