

CSE 414 Section 3

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1. Connecting to Azure and running queries
2. Nested queries

Connect to Azure

- Name: y5sijb0x5p.database.windows.net
- Name: <your UW netid>
- Password: <your password>
- Databbases: master and IMDB

Connecting using Web itnerface

- Should be prompted automatically when you visit the Azure link
 - OR visit: <http://www.microsoft.com/getsilverlight/Get-Started/Install/Default.aspx>
- Enter connection details to login
- Change password by logging into the master db
 - ALTER LOGIN youruserid
WITH PASSWORD='new-password'
OLD_PASSWORD='old-password'

Nested queries

Subqueries in SELECT

```
SELECT DISTINCT C.cname, (SELECT count(*)  
                           FROM Product P  
                           WHERE P.cid=C.cid)  
FROM Company C
```

Subqueries in FROM

```
SELECT X.pname  
FROM (SELECT * FROM Product AS Y WHERE price > 20) as X  
WHERE X.price < 500
```

Subqueries in WHERE

```
SELECT DISTINCT C.cname  
FROM Company C  
WHERE EXISTS (SELECT *  
              FROM Product P  
              WHERE C.cid = P.cid and P.price < 200)
```

subqueries in WHERE

- SELECT WHERE EXISTS (sub);
- SELECT WHERE NOT EXISTS (sub);
- SELECT WHERE attribute IN (sub);
- SELECT WHERE attribute NOT IN (sub);
- SELECT WHERE attribute > ANY (sub);
- SELECT WHERE attribute > ALL (sub);