MSDS 7330
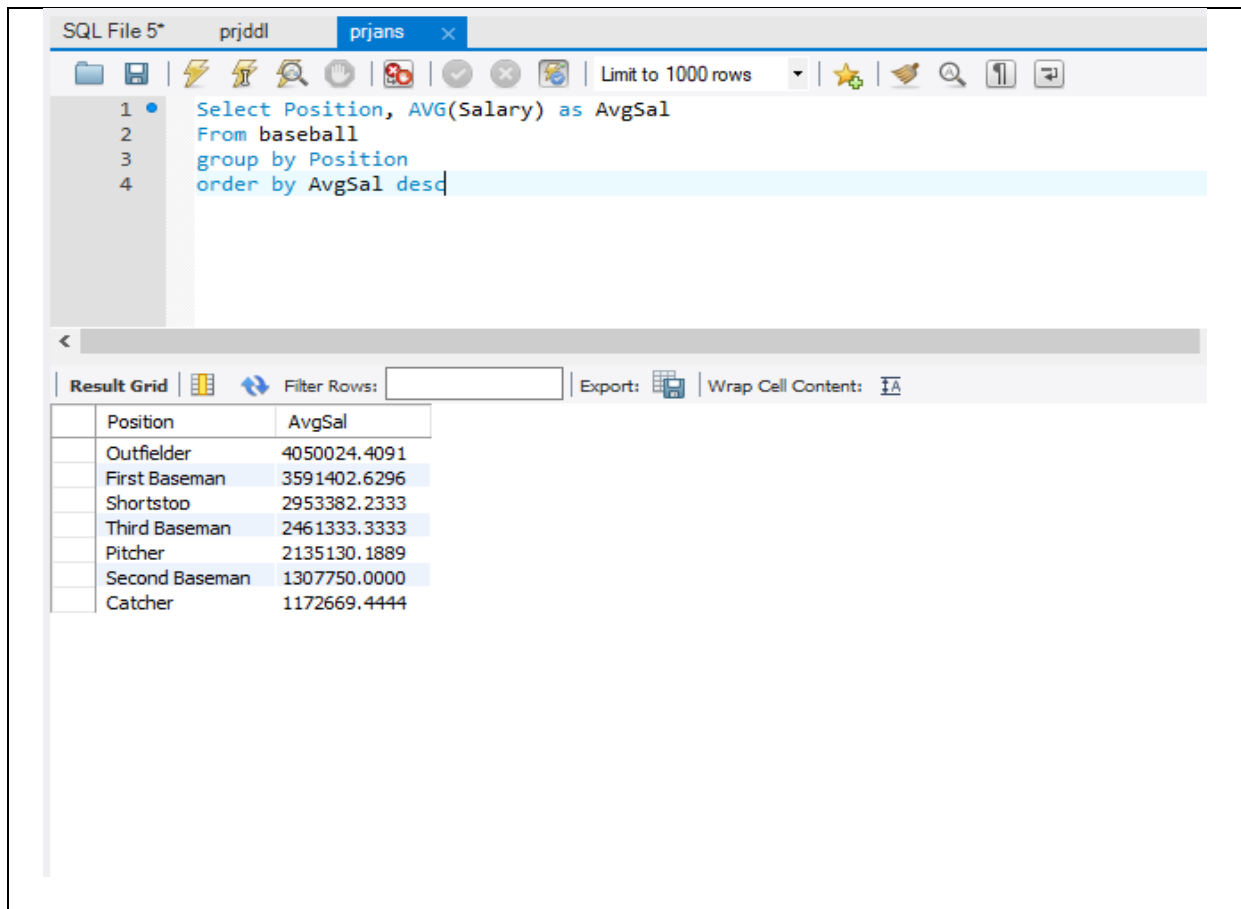# File Organization and Database Management

Mini Project 3

Evangelos Giakoumakis

1) A separate file attached called baseball salaries 2003.txt contains salary information for certain professional baseball players from the year 2003. Write a SQL script that processes this file to determine, for each position, the average salary of the players in that position. Note that the seven player positions that can occur in the input file are "Catcher", "First Baseman", "Outfielder", "Pitcher", "Second Baseman", "Shortstop" and "Third Baseman".

Query:

```
SQL File 5*     prjddl     prjans    ×

1 ● Select Position, AVG(Salary) as AvgSal
2   From baseball
3   group by Position
4   order by AvgSal desc
```

Position	AvgSal
Outfielder	4050024.4091
First Baseman	3591402.6296
Shortstop	2953382.2333
Third Baseman	2461333.3333
Pitcher	2135130.1889
Second Baseman	1307750.0000
Catcher	1172669.4444

```
SQL File 5*    prjddl  ×  prjans

  5 ● ⊟ CREATE TABLE Baseball (
  6       Team nvarchar (25) NULL ,
  7       Player nvarchar (25) NULL ,
  8       Salary int NOT NULL ,
  9       Position text (25) NULL
 10     └ );
 11
 12 ●   select *
 13     from baseball
```

Team	Player	Salary	Position
New York Yankees	Acevedo Juan	900000	Pitcher
New York Yankees	Anderson Jason	300000	Pitcher
New York Yankees	Clemens Roger	10100000	Pitcher
New York Yankees	Contreras Jose	5500000	Pitcher
New York Yankees	Flaherty John	750000	Catcher
New York Yankees	Giambi Jason	11428571	First Baseman
New York Yankees	Hammond Chris	2200000	Pitcher
New York Yankees	Hitchcock Sterling	6000000	Pitcher
New York Yankees	Jeter Derek	15600000	Shortstop
New York Yankees	Johnson Nick	364100	First Baseman
New York Yankees	Karsay Steve	5000000	Pitcher
New York Yankees	Latham Chris	400000	Outfielder
New York Yankees	Liever Jon	550000	Pitcher
New York Yankees	Matsui Hideki	6000000	Outfielder
New York Yankees	Mondesi Raul	13000000	Outfielder
New York Yankees	Mussina Mike	12000000	Pitcher
New York Yankees	Osuna Antonio	2400000	Pitcher
New York Yankees	Pettitte Andy	11500000	Pitcher
New York Yankees	Posada Jorge	8000000	Catcher
New York Yankees	Rivera Mariano	10500000	Pitcher
New York Yankees	Soriano Alfonso	800000	Second Base...
New York Yankees	Trammell Bubba	2500000	Outfielder
New York Yankees	Ventura Robin	5000000	Third Baseman
New York Yankees	Weaver Jeff	4150000	Pitcher
New York Yankees	Wells David	3250000	Pitcher
New York Yankees	Williams Bernie	12357143	Outfielder
New York Yankees	Wilson Enrique	700000	Shortstop
New York Yankees	Zeile Todd	1500000	Third Baseman
Anaheim Angels	Anderson Garret	5350000	Outfielder
Anaheim Angels	Appier Kevin	11500000	Pitcher
Anaheim Angels	Callaway Mickey	302500	Pitcher
Anaheim Angels	Donnelly Brendan	325000	Pitcher

baseball 1 ×

NOTE: Had to modify baseball_salaries_2003-1.txt file in Excel to bring to correct format and create a .csv version which I then imported to MySql Workbench using import wizard.

Schema:

SQL Scripts:

```
/* DDL */
```
CREATE DATABASE BaseballTest;

use BaseballTest;

CREATE TABLE Baseball (
Team nvarchar (25) NULL ,
Player nvarchar (25) NULL ,
Salary int NOT NULL ,
Position text (25) NULL
);

```
/* Check after DML */
```
select *
from baseball

```
/* Question 1 Query */
```
Select Position, AVG(Salary) as AvgSal
From baseball
group by Position
order by AvgSal desc