

1.264 Lecture 14

SQL: Homework 5

Aircraft Parts Dataset

- **Download database files from Web site**
 - Under Materials -> General
 - Unzip: there will be one .mdf file
 - Save it to C:\Program Files\Microsoft SQL Server\MSSQL11.SQLEXPRESS\MSSQL\Data
- **Open SQL Server Mgt Studio Express and log in**
- **In object explorer (right side of screen), right click on Databases and choose “Attach” from the menu**
- **Click Add, and locate the Homework5.mdf file you just saved on your hard drive.**
 - Remove the .ldf file in the bottom window
 - You may need to find the .mdf file in the bottom window again
- **Click OK**
- **Expand the Databases folder in object explorer**
 - See the AircraftParts database you just attached
 - The database name can be (and is) different than the filename in which its components are stored

Using the Aircraft Parts Dataset

- Click “New Query” in the toolbar to open a new query window
- Type these statements (click Execute in toolbar to run, or press F5... highlight a statement first to execute only that statement):
- Tell SQL Server which database you are using:
 - **USE AircraftParts**
- Show the replacement manufacturers in NH
 - **SELECT * FROM PMAList WHERE [PMA State]= ‘NH’**
- List all the parts whose price is more than \$100 in descending order by price. (Price data is randomly generated)
 - **SELECT Part_Name, Price FROM PMAList WHERE Price > 100 ORDER BY Price DESC**
- List the number of parts by replacement manufacturer. List only manufacturers with more than 10 parts
 - **SELECT PMAHolder, COUNT(*) AS NumPart FROM PMAList GROUP BY PMAHolder HAVING COUNT(*) > 10 ORDER BY NumPart DESC**

Lab on Homework 5

- TA and you will do the first few steps in homework 5 together in class
- Please refer to homework 5

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