Data:Maxx Technologies, Inc.

Helpful SQL Queries for Datamaxx

(Always make a backup before running any queries!)

Delete between date ranges.

```
DELETE FROM Data_TimeCards_T
WHERE     (DateIn BETWEEN '1/1/1975' AND '1/1/2009')
```

Delete all records in a table.

```
DELETE FROM Data_CostCode_T
```

Remove Spaces in Records using an update Query

```
UPDATE    Data_TimeCards_T
SET           EmployeeID = LTRIM(EmployeeID)
UPDATE    Data_Employee_T
SET           FirstName = LTRIM(FirstName)
```

Replace Characters with New ones

(This one gets rid of apostrophes)

```
update Data_Employee_T
set EmployeeID = replace(EmployeeID,'''','')
```

Example of an Update Query

(This one replaces any record with a home department of 200 to an exported value of False)

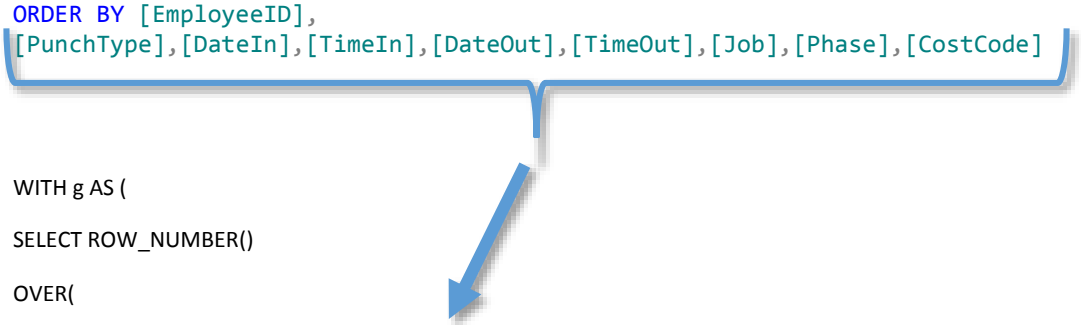
```
UPDATE    Data_Timecards_T
SET           isexport = N'0'
WHERE     (HomeDepartment = N'200')
```

(This one selects any record between two dates and updates exported value to False)

```
UPDATE    Data_TimeCards_T    SET           isExport = N'0'
WHERE     (DateIn = CONVERT(DATETIME, '2012-01-12 00:00:00', 102)) AND (Job IN ( 3170, 3215, 3229, 3223))
```

Deletes Duplicates (make a backup first!!) Where it says Column1, 2 etc that its where you put our column names. Like EmployeeID, Job etc… and you can add more columns to make deleting duplicates even more accurate. For instance type : (example is for the timecards table)

```
PARTITION BY [EmployeeID],
[PunchType],[DateIn],[TimeIn],[DateOut],[TimeOut],[Job],[Phase],[CostCode]
ORDER BY [EmployeeID],
[PunchType],[DateIn],[TimeIn],[DateOut],[TimeOut],[Job],[Phase],[CostCode]
```



```
WITH g AS (

SELECT ROW_NUMBER()

OVER(

PARTITION BY [***COLUMN1***], [***COLUMN2***]

ORDER BY [***COLUMN1***], [***COLUMN2***]

)

AS row

FROM dbo.[***TABLE***])

DELETE FROM g

WHERE row > 1;
```

This one deletes any cost code in the cost code table that hasn't been used in daily report

```
Delete from Data_CostCodes_T Where Not (CostCodeID In (Select CostCodeID From Daily_Columns_T))
```

Insert Statement

(this one takes records from the deleted table and repopulates the timecards table)

```
INSERT INTO
Data_TimeCards_T(EmployeeID,PunchType,DateIn,TimeIn,dateout,timeout,Job,RealTimeIn,RealTimeOut
)

SELECT EmployeeID,PunchType,DateIn,TimeIn,dateout,timeout,Job,RealTimeIn,RealTimeOut

FROM Data_TimeCardsDeleted_T

WHERE (DateIn IN (CONVERT(DATETIME, '2011-09-20 00:00:00', 102), CONVERT(DATETIME, '2011-12-01
00:00:00', 102)))
```

Removes first characters

```
UPDATE MyTable
SET MyColumn = RIGHT(MyColumn, LEN(MyColumn) - 4)
```

```
SELECT Sum(ALL(columnname)) FROM table
```

Finds all Employee IDs with any character other than a number or letter which may cause the input string was not in a correct format error

```
SELECT   *
FROM        Data_TimeCards_T
WHERE     (EmployeeID LIKE '%[^a-zA-Z0-9]%')
```

Running a stored procedure from Windows Task Scheduler. This is if you have sql express and want to run a stored procedure

Right click in the Scheduled Tasks area and choose "New" -> "Scheduled Task". Then in the run field add the following:

```
sqlcmd -S .\SQLExpress -i c:\expressmaint.sql
```

In the sql file you can simply write: EXEC dbname.dbo.sp_AnyStoredProcedure.