# AD – advanced task, add new complaints to the complaints table

You have created a table no\_of\_complaints and it holds the information on the number of complaints per month.

It is now a few months later and there are more complaints in the complaints table and you want to add them to the no\_of\_complaints table.

The difficult part of this task is:

1. Understanding what you need to do and
2. Working out how to do it.

If you rerun the same code you end up with duplicates in the no\_of\_complaints table.

There are a number of ways to do this. So this is just one solution. The learning objective is to start using SQL as a tool to manipulate the data how you need to.

First set up the new complaints: ( I gave you the wrong code in class by accident)

INSERT INTO complaint VALUES ('100','291','N3GYAA','2016','1','3','','late','open','AA','0','0','10');

INSERT INTO complaint VALUES ('200','2314','N3LCAA','2016','1','3','','late','open','AA','0','0','101');

INSERT INTO complaint VALUES ('300','1096','N3DJAA','2016','1','4','','late','open','BB','0','0','103');

INSERT INTO complaint VALUES ('400','291','N3KHAA','2016','1','4','','late','open','BB','0','0','105');

INSERT INTO complaint VALUES ('500','2314','N3DJAA','2016','1','4','','late','open','CC','0','0','101');

INSERT INTO complaint VALUES ('600','2314','N3JYAA','2016','1','6','','late','open','AA','0','0','108');

INSERT INTO complaint VALUES ('700','291','N3GPAA','2016','1','7','','late','open','AA','0','0','107');

INSERT INTO complaint VALUES ('800','1096','N3CMAA','2016','2','3','','late','open','BB','0','0','10');

Then, the below is one solution.

-- to create a temp table with the new data in

DROP table tmp\_1;

CREATE table tmp\_1 AS SELECT \* FROM complaint WHERE the\_year = 2016;

--insert the data from this table into the no\_of\_complaints table

INSERT INTO no\_of\_complaints

SELECT the\_month, the\_year, COUNT(complaint\_id) FROM tmp\_1 GROUP BY the\_year, the\_month;