

Prepare your answers to this assignment using a word processor or text formatting system. Acceptable formats are MS Word, Open Office, and PDF. Turn in this assignment electronically using the digital dropbox on Blackboard.

Name your file as indicated below. Points will be deducted for improperly formatted filenames.

<youronyen>-hw8.<ext>

### **Problem 1**

In class on Tuesday, November 20, we discussed how to generate data sets for testing using PL/SQL. Modify the PL/SQL code presented in class and at the following URL:

[http://www.ils.unc.edu/courses/2007\\_fall/inls723\\_001/opti.php](http://www.ils.unc.edu/courses/2007_fall/inls723_001/opti.php)

so that the program generates distributions of trucks is as follows:

50% of the trucks should be green  
20% of the trucks should be yellow  
20% of the trucks should be red  
10% of the trucks should be blue

All other aspects of the code should be left the same as the code on the website.

**NOTE: Turn-in ONLY the modified section of code – the section labeled “—Create the trucks”.**

### **Problem 2**

Consider the following query on the demp, trucks, drives schema and dataset.

```
select demp.eid, trucks.tid, trucks.color
from demp, trucks, drives
where trucks.tid = drives.tid AND demp.eid = drives.eid;
```

- a) By default, what order does Oracle perform the joins for the query above (use EXPLAIN PLAN)
- b) Regardless of the answer to part a, re-write the FIRST LINE of the query to provide a hint that demp and drives should be joined before trucks and drives.