Homework 1
Due: Thursday, February 10, 2011 @ midnight

Write SQL code to perform the following queries:

Query 1. Retrieve a list of all continents together with the following information (in this order):
Continent name, Surface area in square miles, Surface area in square kilometers
Query 2. Retrieve a list of cities and the names of the countries they belong to (in this order):
City name, city population, country name, country population.
Query 3. Find the names of all the countries in Europe. Simply retrieve the list of names
Query 4. Find all countries that host the headquarters of an international organization. For each
country return (in this order): Organization name, Country name, Capital city, Population of
capital city, City where organization is headquartered.
Query 5. Retrieve a list of all the countries in the world, sorted in decreasing order of their total
area in a single continent. Retrieve the following fields (in this order): country name, continent
name, area of portion of country within the continent.

Late Policy: 1 day late - 10% off, 2 days late - 20% off, 3 days late - no credit
Submission:
You must submit your homework through http://submit.cs.umd.edu
Unlike other classes, the server won't be able to test your code (hard to do with SQL).
Return each query as a separate .sql file named, for example: query1.sql, query2.sql, ...
Do not submit handwritten answers or answers prepared in Word.
The queries you submit must be able to execute on the Oracle server available through
grace.umd.edu

Resources:
Note: the Mondial database available on the grace systems is a reduced version of the full
schema available from the link presented in the lecture notes/class site.
See Mondial database schema on class site for details.