**HW2 Spring 2013 CS615**

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**816274154**

Script started on Tue Feb 19 01:09:27 2013

> sqlplus st114/CS514@cfedb.sdsu.edu

SQL\*Plus: Release 10.2.0.1.0 - Production on Tue Feb 19 01:10:13 2013

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Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production

With the Partitioning, OLAP and Data Mining options

SQL> --to echo instructions on display

SQL> set echo on

SQL> start lab1

SQL> --HW2 Spring 2013 CS615

SQL> --Nanditha S Murthy

SQL> --816274154

SQL>

SQL> -- to set pages to 500

SQL> set pages 500

SQL>

SQL> --To create a type called cap\_type with 3 'fields',

SQL> --a name field, a lat field, and a long field.

SQL>

SQL> CREATE OR REPLACE TYPE cap\_type AS OBJECT (name varchar2(25), latitude float, longitude float);

2 /

Type created.

SQL>

SQL> --To create a db table, top15, in your Oracle account containing the top 15 countries for GDP.

SQL> --It has fields:

SQL> -- name of country, GDP of country, population of country, GDP per capita,

SQL> -- capitol city of the country, name of the primary stock index of the

SQL> -- country, location of the primary stock exchange (city it is in), name of

SQL> -- the currency of the country (e.g. dollar).

SQL> --The type of the capitol city field should of course be cap\_type.

SQL> --Since no two countries have the same name, country name is the primary key.

SQL>

SQL> CREATE TABLE top15(Name\_of\_Country varchar2(50) PRIMARY KEY,

2 GDP\_of\_country\_US$ number,

3 Population\_of\_country number,

4 GDP\_per\_capita\_US$ number,

5 capitol\_city cap\_type,

6 primary\_stockindex varchar2(55),

7 location\_Primary\_stockexchange varchar2(55),

8 currency varchar2(28));

Table created.

SQL>

SQL> --NOTES: different sources will give different values for population and GDP,

SQL> -- so pick SOME credible source.

SQL> -- if there are multiple stock indexes, try to give the best known one;

SQL> -- for example in the US, it is the DJIA (Dow Jones Industrial Average),

SQL> -- located in New York City

SQL>

SQL> --SOURCE: "http://www.tradingeconomics.com"

SQL> -- "http://en.wikipedia.org/wiki/List\_of\_stock\_exchanges"

SQL> -- "http://exploredia.com/list-of-countries-by-gdp-2012/"

SQL>

SQL> INSERT INTO top15 VALUES('European Union',18084.866,503492041,31607,cap\_type('Brussels','50.85034','4.35171'),'Euronext 100','Amsterdam','Euro');

1 row created.

SQL> INSERT INTO top15 VALUES('United States',15880.207,315487000,49000,cap\_type('Washington DC','38.895112','-77.036366'),'Dow Jones Industrial Average','New York City','Dollar');

1 row created.

SQL> INSERT INTO top15 VALUES('Peoples Republic of China',7209.418,1353821000,9146,cap\_type('Beijing','39.90403','116.407526'),'SSE Composite','Shanghai','Yuan');

1 row created.

SQL> INSERT INTO top15 VALUES('Japan',5920.556,126659683,39578.07,cap\_type('Tokyo','35.689488','139.691706'),'JAPAN STOCK MARKET ie NIKKEI 225','TOKYO','Yen');

1 row created.

SQL> INSERT INTO top15 VALUES('Germany',3599.981,81799600,26080.52,cap\_type('Berlin','52.519171','13.406091'),'Deutsche Borse AG German Stock Index DAX','Frankfurt','Euro');

1 row created.

SQL> INSERT INTO top15 VALUES('France',2834.353,65350000,35600,cap\_type('Paris','48.856614','2.352222'),'FTSE 100','Paris','Euro');

1 row created.

SQL> INSERT INTO top15 VALUES('United Kingdom',2602.487,63181775,36600,cap\_type('London','51.507335','-0.127683'),'United Kingdom Stock Market ie FTSE 100','London','Pound sterling');

1 row created.

SQL> INSERT INTO top15 VALUES('Brazil',2576.244,193946886,11900,cap\_type('Brasilia','-15.823966','-47.900391'),'BMF Bovespa','Sao Paulo','Real');

1 row created.

SQL> INSERT INTO top15 VALUES('Italy',2245.905,60813326,30900,cap\_type('Rome','41.901514','12.460774'),'ITALY STOCK MARKET ie FTSE MIB','Milan','Euro');

1 row created.

SQL> INSERT INTO top15 VALUES('Russia',2197.71,143300000,17000,cap\_type('Moscow','55.751077','37.617702'),'Russia Stock Market ie MICEX','Moscow','Ruble');

1 row created.

SQL> INSERT INTO top15 VALUES('Canada',1809.315,33476688,41100,cap\_type('Ottawa','45.42153','-75.697193'),'CANADA STOCK MARKET ie SPTSX','Toronto','Canadian dollar');

1 row created.

SQL> INSERT INTO top15 VALUES('India',1858.969,1210193422,3700,cap\_type('New Delhi','28.635308','-77.22496'),'India Stock Market ie SENSEX','Mumbai','Rupee');

1 row created.

SQL> INSERT INTO top15 VALUES('Spain',1524.063,47265321,31000,cap\_type('Madrid','40.416775','-3.70379'),'Spain Stock Market ie IBEX 35','Madrid','Euro');

1 row created.

SQL> INSERT INTO top15 VALUES('Australia',1470.027,22899449,27427.64,cap\_type('Canberra','-35.308235','149.124224'),'Australia Stock Market ie SPASX 200','Sydney','Australian dollar');

1 row created.

SQL> INSERT INTO top15 VALUES('Mexico',1231.642,115296767,17554.12,cap\_type('Mexico City','19.432608','-99.133208'),'Mexican Stock Exchange Mexican Bolsa IPC','Paseo de la Reforma','Peso');

1 row created.

SQL>

SQL> --To describe cap\_type and table top15

SQL> desc top15

Name Null? Type

----------------------------------------- -------- ----------------------------

NAME\_OF\_COUNTRY NOT NULL VARCHAR2(50)

GDP\_OF\_COUNTRY\_US$ NUMBER

POPULATION\_OF\_COUNTRY NUMBER

GDP\_PER\_CAPITA\_US$ NUMBER

CAPITOL\_CITY CAP\_TYPE

PRIMARY\_STOCKINDEX VARCHAR2(55)

LOCATION\_PRIMARY\_STOCKEXCHANGE VARCHAR2(55)

CURRENCY VARCHAR2(28)

SQL>

SQL> --To check the inserted values in top15

SQL> SELECT \* FROM top15;

NAME\_OF\_COUNTRY GDP\_OF\_COUNTRY\_US$

-------------------------------------------------- ------------------

POPULATION\_OF\_COUNTRY GDP\_PER\_CAPITA\_US$

--------------------- ------------------

CAPITOL\_CITY(NAME, LATITUDE, LONGITUDE)

--------------------------------------------------------------------------------

PRIMARY\_STOCKINDEX

-------------------------------------------------------

LOCATION\_PRIMARY\_STOCKEXCHANGE

-------------------------------------------------------

CURRENCY

----------------------------

European Union 18084.866

503492041 31607

CAP\_TYPE('Brussels', 50.85034, 4.35171)

Euronext 100

Amsterdam

Euro

United States 15880.207

315487000 49000

CAP\_TYPE('Washington DC', 38.895112, -77.036366)

Dow Jones Industrial Average

New York City

Dollar

Peoples Republic of China 7209.418

1353821000 9146

CAP\_TYPE('Beijing', 39.90403, 116.407526)

SSE Composite

Shanghai

Yuan

Japan 5920.556

126659683 39578.07

CAP\_TYPE('Tokyo', 35.689488, 139.691706)

JAPAN STOCK MARKET ie NIKKEI 225

TOKYO

Yen

Germany 3599.981

81799600 26080.52

CAP\_TYPE('Berlin', 52.519171, 13.406091)

Deutsche Borse AG German Stock Index DAX

Frankfurt

Euro

France 2834.353

65350000 35600

CAP\_TYPE('Paris', 48.856614, 2.352222)

FTSE 100

Paris

Euro

United Kingdom 2602.487

63181775 36600

CAP\_TYPE('London', 51.507335, -.127683)

United Kingdom Stock Market?ie FTSE 100

London

Pound sterling

Brazil 2576.244

193946886 11900

CAP\_TYPE('Brasilia', -15.823966, -47.900391)

BMF Bovespa

Sao Paulo

Real

Italy 2245.905

60813326 30900

CAP\_TYPE('Rome', 41.901514, 12.460774)

ITALY STOCK MARKET ie FTSE MIB

Milan

Euro

Russia 2197.71

143300000 17000

CAP\_TYPE('Moscow', 55.751077, 37.617702)

Russia Stock Market ie MICEX

Moscow

Ruble

Canada 1809.315

33476688 41100

CAP\_TYPE('Ottawa', 45.42153, -75.697193)

CANADA STOCK MARKET ie SPTSX

Toronto

Canadian dollar

India 1858.969

1210193422 3700

CAP\_TYPE('New Delhi', 28.635308, -77.22496)

India Stock Market ie SENSEX

Mumbai

Rupee

Spain 1524.063

47265321 31000

CAP\_TYPE('Madrid', 40.416775, -3.70379)

Spain Stock Market ie IBEX 35

Madrid

Euro

Australia 1470.027

22899449 27427.64

CAP\_TYPE('Canberra', -35.308235, 149.124224)

Australia Stock Market ie SPASX 200

Sydney

Australian dollar

Mexico 1231.642

115296767 17554.12

CAP\_TYPE('Mexico City', 19.432608, -99.133208)

Mexican Stock Exchange Mexican Bolsa IPC

Paseo de la Reforma

Peso

15 rows selected.

SQL> quit

Disconnected from Oracle Database 10g Enterprise Edition Release 10.2.0.1.0 - Production

With the Partitioning, OLAP and Data Mining options

> exit

exit

script done on Tue Feb 19 01:10:52 2013