



The University of the West Indies
St. Augustine
Department of Computing and Information Technology
INFO2415 – Enterprise Database Systems
ORACLE LAB # 5 - XML

18 / 10 / 2013

1. Create the AddressBook table using the following attribute information:

Attribute	Characteristics
Name	Varchar2 Size : 20
Card	XMLTYPE
CreationDate	Date

2. The card XML datagram will store contact data for each entry in the address book. It stores the person's email, work phone numbers, cell phone contact if any and address. The address consists of one or more lines for the street, the city, state and zip code. Additionally for each card an optional comment is kept. Each address card has a special attribute stating who created the card. Use Oracle createXML to create XML documents for the following entries and insert these into the AddressBook table:

- An address card was created by Raj for Roger whose email address is roger12@yahoo.com. Roger has two work phone numbers, 111-1234 and 111-5678. His cell number is 111-3342. He lives at 123 Main Street, Atlanta, Georgia 33333. Roger works only on the night shift.
- Raj also created address cards for the following individuals:
Name: Bobby
Email: bob@aol.com
Work Phone: 111-2900
Address: 200 Oak Street, Atlanta, GA 33330.

Name: Tommy
Email: tom200@yahoo.com
Work Phone: 333-8000
Cell: 111-9000
- Ram created the following address cards
Name: Abe
Email: abe1212@yahoo.com
Work Phone: 111-2000
Cell: 111-3344
Address: 125 Main Street, Savannah, GA 33300.

Comments: Abe has two kids John and Jamie

Name: Tony

Email: anthony1@yahoo.com

Work Phone: 111-1000

Cell: 111-3000

Address: 123 Elm Street, Savannah, GA 33300.

Comments: Works for CNN

Name: Frank

Email: francisco@yahoo.com

Work Phone: 123-1234

Address: 123 Grant Street, Atlanta, GA 33333.

Comments: Has a dog name Fife.

3. Extract the XML datagram for "Roger" as a CLOB (Character large Object) value.
4. Get the names and Email addresses of all individuals.
5. Extract the names and states of all individuals.
6. Extract the names of all individuals who live in Atlanta (CITY = "Atlanta").
7. Find the name and the second work phone number of all persons who have a second work phone.
8. Find the name and address of the person with email address roger12@yahoo.com.
9. Find the names and email addresses of persons whose entries were created by Ram.
10. Change the email address of Roger in the AddressBook table to roger12@earthlink.com.
11. Delete from the AddressBook table all addresses whose zip code is 33333.