CNIT27200 DDL Practice Name: Jin Su (Brandon) Lee

***Scenario: Database to keep track of volunteers working in a disaster shelter***.

# VOLUNTEER TASK

TaskCode char (5)

TaskDesc varchar2 (30)

TypeCode (FK) char(2)

Requirements number (3,0)

VolunteerID varchar2 (10)

FName varchar2 (30)

LName varchar2 (20)

Cell char(10)

**ASSIGNMENT**

VolunteerID varchar2 (10)

TaskCode char (5)

Responsibility varchar2(30)

**TYPE**

TypeCode char (2)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

TypeDesc varchar2(30)

1. Write the SQL code to create the VOLUNTEER table. As part of your code, include the Primary Key constraint. For the VOLUNTEER table, you can use option 1, 2, or 3 for adding a PK (based on the help document).

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| CREATE TABLE VOLUNTEER  (VolunteerID varchar2(10) CONSTRAINT volunteer\_PK PRIMARY KEY,  FName varchar2 (30),  LName varchar2 (20),  Cell char(10)  ); |

1. If you wanted to **require** the TypeDesc field, what would you type in after the datatype(size):

CREATE TABLE TYPE

( TypeCode char(2),

TypeDesc varchar2(30) \_NOT NULL\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

CONSTRAINT TYPE\_PK PRIMARY KEY (TypeCode)

);

1. Write the SQL code to create the ASSIGNMENT table. As part of your code, include the Primary Key constraint as well as the FOREIGN KEY constraints. Assume that the TASK and VOLUNTEER tables have already been created.

*As you create this table, notice that it has a composite Primary Key. And that the Foreign Keys come from two separate parent tables.*

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| CREATE TABLE ASSIGNMENT  (CONSTRAINT Assignment\_PK PRIMARY KEY (VolunteerID, TaskCode),  CONSTRAINT Assignment\_Task\_FK  FOREIGN KEY (TaskCode) REFERENCES Task (TaskCode)  CONSTRAINT Assignment\_Volunteer\_FK  FOREIGN KEY (VolunteerID) REFERENCES Task (VolunteerID)  Responsibility varchar2 (30),  ); |

1. What are your questions about Data Definition Language? Are there parts of the syntax that are unclear?

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| Nope |