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CSCI-N311

Project 5

August 8, 2014

Step One:

create table PHONE\_USERS (

TELEPHONE\_NUMBER VARCHAR2(80) NOT NULL,

FIRST\_NAME VARCHAR2(80),

LAST\_NAME VARCHAR2(80),

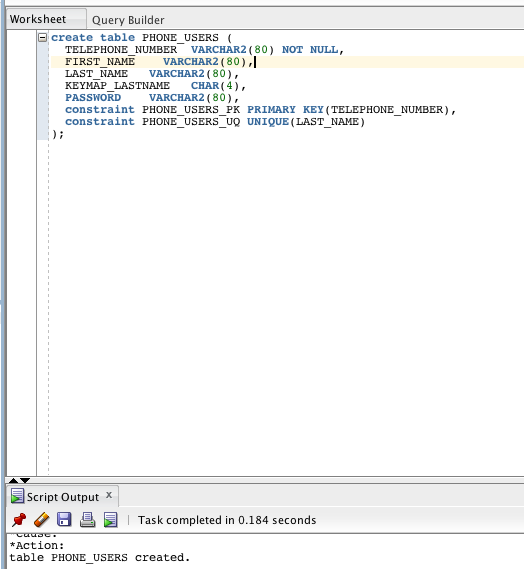
KEYMAP\_LASTNAME CHAR(4),

PASSWORD VARCHAR2(80),

constraint PHONE\_USERS\_PK PRIMARY KEY(TELEPHONE\_NUMBER),

constraint PHONE\_USERS\_UQ UNIQUE(LAST\_NAME)

);



Step Two:

create or replace function KEYMAP (lname in VARCHAR2)

return VARCHAR2

is

trans\_lname VARCHAR2(4);

begin

select translate( RPAD(LAST\_NAME, 4, '0'), 'ABCDEFGHIJKLMNOPQRSTUVWXYZ', '22233344455566677778889999') into trans\_lname

from PHONE\_USERS

where LAST\_NAME = lname;

return(trans\_lname);

end;

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Step Three:

create table BBT\_USERS\_TEMP as

select \* from LINGLU.BBT\_USERS\_TEMP;

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create or replace procedure BBTtoPHONEU (n in NUMBER)

is

num NUMBER := n;

begin

execute immediate 'truncate table PHONE\_USERS';

while num > 0

loop

insert into PHONE\_USERS (TELEPHONE\_NUMBER, FIRST\_NAME, LAST\_NAME, KEYMAP\_LASTNAME, PASSWORD)

select '(' + substr(TELEPHONE\_NUMBER, 0, 3) + ') -' + substr(TELEPHONE\_NUMBER, 3, 3) + '-' + substr(TELEPHONE\_NUMBER, -1 , 3),

FIRST\_NAME, LAST\_NAME + '000' + TO\_CHAR(num), KEYMAP(LAST\_NAME), PASSWORD

from BBT\_USERS\_TEMP;

num := num - 1;

end loop;

end;

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Step Four:

create or replace package PROJECT5

as

function KEYMAP (lname in VARCHAR2) return VARCHAR2;

procedure BBTtoPHONEU (n in NUMBER);

end PROJECT5;

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