/\*Tables creation\*/

/\*Creation of main table\*/

CREATE TABLE alerts (

message\_id int,

state\_name varchar2(12) NOT NULL,

priority number(2) NOT NULL,

message varchar2(35) NOT NULL

);

/\*Setting primary key\*/

ALTER TABLE alerts

ADD CONSTRAINT pk\_alerts PRIMARY KEY (message\_id);

/\*Creation of user ver\_u1 (Vertical user1) \*/

create table ver\_u1(

message\_id number,

state\_name varchar2(12),

message varchar2(35)

);

/\*Setting primary key\*/

alter table ver\_u1

add constraint pk\_ver\_u1 primary key(message\_id);

/\*creation of table ver\_u2 (vertical user2)\*/

create table ver\_u2(

message\_id number,

state\_name varchar2(12),

priority number(2)

);

/\*Adding primary key constraint to ver\_u2\*/

alter table ver\_u2

add constraint pk\_ver\_u2 primary key(message\_id);

/\*Links creation\*/

create public database link link\_to\_maharashtra

connect to maharashtra identified by main using 'XE';

create public database link link\_to\_gujrat

connect to gujrat identified by main using 'XE';

/\*Trigger for vertical fragmentation\*/

create trigger ver\_dist

after insert on alerts

for each row

begin

insert into ver\_u1@link\_to\_maharashtra

values(:new.message\_id,:new.state\_name,:new.message);

insert into ver\_u2@link\_to\_gujrat

values(:new.message\_id,:new.state\_name,:new.priority);

end;

/

/\*Committing creation\*/

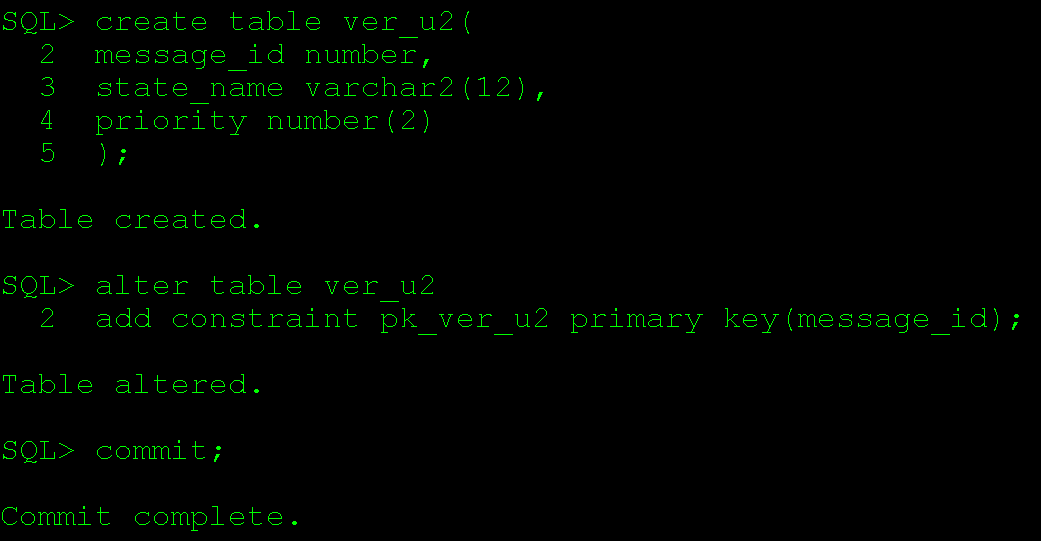
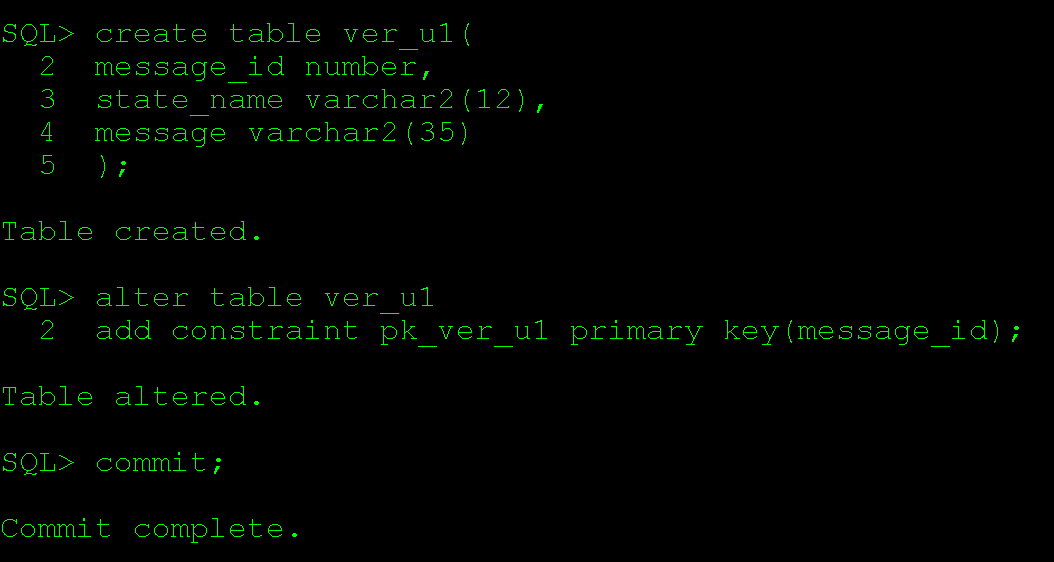
commit;

/\*Inserting data\*/

insert into alerts

values (1,'maharashtra',6,'Air borne disease');

/\*Committing insert\*/

commit;



