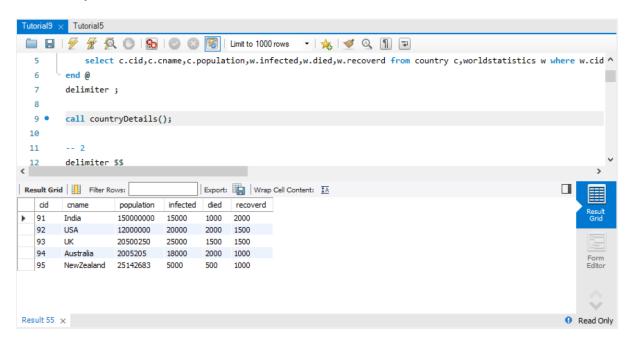
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DBMS Tutorial - 9

Implement the following PL/SQL programs on Covid Pandemic Country-wise Database System

1) Create a PL/SQL program to display the details of countries

call countryDetails();

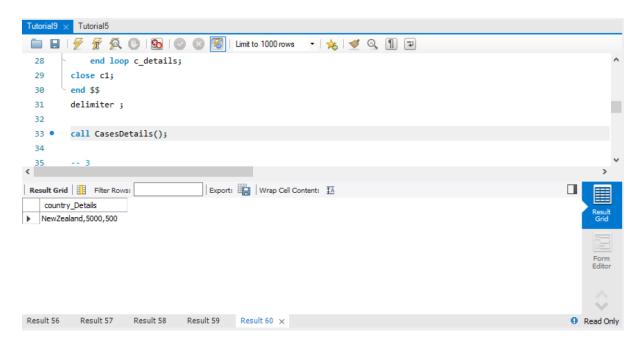


2) Create a Cursor to display corona virus affected countries with no. of cases and death toll

```
delimiter $$
create procedure CasesDetails()
begin
declare ctyname varchar(20);
declare cases int;
declare death int;
declare c_finished int default 0;
declare c1 cursor for select cname,infected,died from worldstatistics;
declare continue handler for not found set c_finished=1;
open c1;
c_details:loop
fetch c1 into ctyname,cases,death;
if c finished=1 then
```

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call CasesDetails();



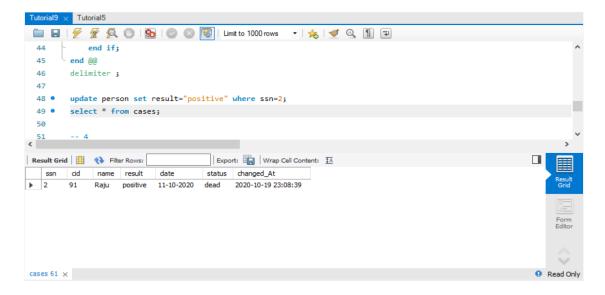
3) Create a trigger to insert patient details into CASES table whenever the person status in PERSON table changes from Negative to Positive.

create table cases(ssn int,cid int,name varchar(20),result varchar(20),date varchar(20),status varchar(20),changed_At TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP);

```
delimiter @ @
create trigger addPatientLog after update on person
for each row
begin
        if OLD.result='Negative' and NEW.result='Positive' then
        insert into cases
values(OLD.ssn,OLD.cid,OLD.name,NEW.result,OLD.date,OLD.status,current_timestamp);
    end if;
end @ @
delimiter;

update person set result="positive" where ssn=2;
select * from cases;
```

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4) Create a trigger to store the person details whose status is dead.

create table personlog(ssn int,cid int,name varchar(20),result varchar(20),date varchar(20),status varchar(20),changedAt TIMESTAMP NOT NULL DEFAULT CURRENT_TIMESTAMP);

delimiter \$
create trigger addPersonLog after insert on person
for each row
begin
 if NEW status = 'dead' then

if NEW.status = 'dead' then insert into personlog

values(NEW.ssn,NEW.cid,NEW.name,NEW.result,NEW.date,NEW.status,current_timestam p());

end if;
end \$
delimiter;

insert into person values(13,95,'akhil','positive','12-10-2020','dead'); select * from personlog;

