create or replace FUNCTION FIND\_DOCTOR\_ID(doctorid IN DOCTOR.D\_ID%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR DOC\_REC IS

SELECT D\_ID FROM ATTEND\_PATIENT;

BEGIN

FOR I IN DOC\_REC LOOP

IF I.D\_ID=doctorid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_DOCTOR\_ID;

create or replace FUNCTION FIND\_NURSE\_ID(nurseid IN NURSE.N\_ID%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR NURSE\_REC IS

SELECT N\_ID FROM GOVERNS\_ROOM;

BEGIN

FOR I IN NURSE\_REC LOOP

IF I.N\_ID=nurseid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_NURSE\_ID;

create or replace FUNCTION FIND\_PATIENT\_ASSIGNED\_ROOM(patientid IN ASSIGNED\_ROOM.P\_ID%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR P\_REC IS

SELECT P\_ID FROM ASSIGNED\_ROOM ;

BEGIN

FOR I IN P\_REC LOOP

IF I.P\_ID=patientid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_PATIENT\_ASSIGNED\_ROOM;

create or replace FUNCTION FIND\_PATIENT\_ASSIST\_PATIENT(patientid IN ASSIST\_PATIENT.P\_ID%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR P\_REC IS

SELECT P\_ID FROM ASSIST\_PATIENT ;

BEGIN

FOR I IN P\_REC LOOP

IF I.P\_ID=patientid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_PATIENT\_ASSIST\_PATIENT;

create or replace FUNCTION FIND\_PATIENT\_ATTEND\_PATIENT(patientid IN ATTEND\_PATIENT.P\_ID%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR P\_REC IS

SELECT P\_ID FROM ATTEND\_PATIENT ;

BEGIN

FOR I IN P\_REC LOOP

IF I.P\_ID=patientid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_PATIENT\_ATTEND\_PATIENT;

create or replace FUNCTION FIND\_PATIENT\_LOG\_PATIENT(patientid IN LOG\_PATIENT.PATIENT\_ID%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR P\_REC IS

SELECT PATIENT\_ID FROM LOG\_PATIENT ;

BEGIN

FOR I IN P\_REC LOOP

IF I.PATIENT\_ID=patientid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_PATIENT\_LOG\_PATIENT;

create or replace FUNCTION FIND\_RECEPTIONIST\_ID(rid in RECEPTIONIST.R\_ID%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR RECEPTIONIST\_REC IS

SELECT R\_ID FROM ASSIST\_PATIENT;

BEGIN

FOR I IN RECEPTIONIST\_REC LOOP

IF I.R\_ID=rid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_RECEPTIONIST\_ID;

create or replace FUNCTION FIND\_ROOMNO\_ASSIGNEDROOM(roomid IN ROOM.ROOM\_NO%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR ROOM\_REC IS

SELECT ROOM\_NO FROM ASSIGNED\_ROOM;

BEGIN

FOR I IN ROOM\_REC LOOP

IF I.ROOM\_NO=roomid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_ROOMNO\_ASSIGNEDROOM;

create or replace FUNCTION FIND\_ROOMNO\_GOVERNSROOM(roomid IN ROOM.ROOM\_NO%TYPE)

RETURN BOOLEAN AS

FLAG NUMBER(5):=0;

CURSOR ROOM\_REC IS

SELECT ROOM\_NO FROM GOVERNS\_ROOM;

BEGIN

FOR I IN ROOM\_REC LOOP

IF I.ROOM\_NO=roomid THEN

FLAG:=1;

END IF;

END LOOP;

IF FLAG=1 THEN

RETURN TRUE;

ELSE

RETURN FALSE;

END IF;

END FIND\_ROOMNO\_GOVERNSROOM;

create or replace FUNCTION RECEPTIONIST\_EMAIL(uid in RECEPTIONIST.R\_EMAIL%TYPE)

RETURN RECEPTIONIST.R\_EMAIL%TYPE AS

email RECEPTIONIST.R\_EMAIL%TYPE;

BEGIN

SELECT R\_EMAIL INTO email FROM RECEPTIONIST WHERE R\_ID=uid;

RETURN email;

END RECEPTIONIST\_EMAIL;

create or replace FUNCTION USER\_EMAIL(uid in USER\_TYPE.U\_EMAIL%TYPE)

RETURN USER\_TYPE.U\_EMAIL%TYPE AS

email USER\_TYPE.U\_EMAIL%TYPE;

BEGIN

SELECT U\_EMAIL INTO email FROM USER\_TYPE WHERE ID=uid;

RETURN email;

END USER\_EMAIL;