DECLARE

MEM\_UNAME\_COUNT NUMBER(3,0);

BEGIN

SELECT COUNT(\*) INTO MEM\_UNAME\_COUNT FROM MEMBER

WHERE MEM\_UNAME=:REGISTER\_S.MEM\_UNAME;

IF MEM\_UNAME\_COUNT>0 THEN

MESSAGE('This username had already been occupied! Please use another one !');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

END;

If :REGISTER\_S.MEM\_NAME is NULL or :REGISTER\_S.MEM\_UNAME is NULL or :REGISTER\_S.MEM\_PW is NULL

or :REGISTER\_S.MEM\_PHONE is NULL or :REGISTER\_S.MEM\_ANS is NULL Then

Message('Please fill in the missing information!');

RAISE FORM\_TRIGGER\_FAILURE;

Else NULL;

End if;

IF LENGTH (:REGISTER\_S.MEM\_PW) <5

THEN message('Password is too short. Please write more than 5 character/number');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

End if;

IF LENGTH (TRIM(TRANSLATE(:REGISTER\_S.MEM\_PHONE, '+0123456789', ' '))) IS NOT NULL THEN

message('Phone number should not contain any non-numeric value.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

DECLARE

MEM\_Phone\_COUNT NUMBER(3,0);

BEGIN

SELECT COUNT(\*) INTO MEM\_Phone\_COUNT FROM MEMBER

WHERE MEM\_PHONE=:REGISTER\_S.MEM\_PHONE;

IF MEM\_Phone\_COUNT >0 THEN

MESSAGE('This phone number had already been occupied! Please use another one !');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

END;

DECLARE

--current\_id is the var. that stores the current number of records in the table

--new\_id is the var. that stores the current\_id '+1'

current\_id number(20);

new\_id number(20);

Begin

select max(MEM\_ID) into current\_id from MEMBER;

new\_id:=current\_id +1;

insert into MEMBER (MEM\_ID,MEM\_NAME,MEM\_UNAME,MEM\_PW,MEM\_PHONE,MEM\_ANS)VALUES (new\_id,:REGISTER\_S.MEM\_NAME,

:REGISTER\_S.MEM\_UNAME,

:REGISTER\_S.MEM\_PW,

:REGISTER\_S.MEM\_PHONE,

:REGISTER\_S.MEM\_ANS);

--Display message after inserted

message('The Member' ||:REGISTER\_S.MEM\_NAME || ' has been inserted to the database sucessfully!');

--save the change to the database

FORMS\_DDL('COMMIT');

CLEAR\_BLOCK(no\_validate);

END;