--- Check textbox if null

IF :REGISTER.R\_FNAME IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_LNAME IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_USERNAME IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_PASSWORD IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_EMAIL IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_BIRTHDAY IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_REGION IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_SWEETNESS IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_PHONE IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_ADDRESS IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :REGISTER.R\_CREDITCARD IS NULL THEN

MESSAGE('Please fill in all personal information.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

---Check length of textbox

IF LENGTH (TRIM(TRANSLATE(:REGISTER.R\_PHONE, '+-.0123456789', ' '))) IS NOT NULL

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

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH (TRIM(TRANSLATE(:REGISTER.R\_CREDITCARD, '+-.0123456789', ' '))) IS NOT NULL

THEN message('Credit card number should not contain any non-numeric value.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_FNAME) < 3

THEN message('Your first name is too short.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_FNAME) > 20

THEN message('First name should be in 20-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_LNAME) < 3

THEN message('Your last name is too short.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_LNAME) > 20

THEN message('Last name should be in 20-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_USERNAME) < 6

THEN message('Your username is too short.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_USERNAME) > 20

THEN message('Username should be in 20-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_PASSWORD) > 20

THEN message('Password should be in 20-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_EMAIL) > 32

THEN message('Email should be in 32-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF TO\_DATE(:REGISTER.R\_BIRTHDAY,'DD/MM/YYYY')>SYSDATE THEN

MESSAGE('Birthdate cannot be a future date');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_ADDRESS) > 128

THEN message('Address should be in 128-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_PHONE) <> 8

THEN message('Phone number should be an exact 8-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF LENGTH(:REGISTER.R\_CREDITCARD) <> 16

THEN message('Credit card number should be an exact 16-character, please re-try.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

DECLARE

USERNAME\_COUNT NUMBER(3,0);

BEGIN

SELECT COUNT(\*) INTO USERNAME\_COUNT FROM CUSTOMER

WHERE LOWER(CUS\_USERNAME)=LOWER(:REGISTER.R\_USERNAME);

IF USERNAME\_COUNT>0 THEN

MESSAGE('This username has been used, please use the other one.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

END;

INSERT INTO CUSTOMER

(CUS\_ID,

CUS\_FNAME,

CUS\_LNAME,

CUS\_USERNAME,

CUS\_PASSWORD,

CUS\_EMAIL,

CUS\_DOB,

CUS\_PREF\_ORIGIN,

CUS\_PREF\_SWEET,

CUS\_PHONE,

CUS\_ADDRESS,

CUS\_CREDIT\_CARD\_NO)VALUES

(:REGISTER.R\_ID,

:REGISTER.R\_FNAME,

:REGISTER.R\_LNAME,

:REGISTER.R\_USERNAME,

:REGISTER.R\_PASSWORD,

:REGISTER.R\_EMAIL,

to\_date(:REGISTER.R\_BIRTHDAY,'DD/MM/YYYY'),

:REGISTER.R\_REGION,

:REGISTER.R\_SWEETNESS,

:REGISTER.R\_PHONE,

:REGISTER.R\_ADDRESS,

:REGISTER.R\_CREDITCARD);

MESSAGE('You successfully registered!!!');

forms\_ddl('Commit');

GO\_BLOCK('REGISTER');

CLEAR\_BLOCK(no\_validate);

GO\_BLOCK('LOGIN\_C');

CLEAR\_BLOCK(no\_validate);

GO\_BLOCK('LOGIN\_C');

NEWNEWNEWNENWNEWNENWENWNENENWNENENWENEN

DECLARE

CUS\_ID\_SC number (11) ;

PROD\_ID\_SC number (11);

BEGIN

SELECT CUS\_ID INTO CUS\_ID\_SC

FROM CUSTOMER

WHERE CUS\_USERNAME = :LOGIN\_C.CL\_USERNAME;

SELECT PROD\_ID INTO PROD\_ID\_SC

FROM PRODUCT

WHERE PROD\_NAME = :PRODUCTDETAILS.PD\_PRO\_NAME;

Select CUS\_ID From SHOPPING\_CART

where exists

(CUS\_ID =

INSERT INTO SHOPPING\_CART(CUS\_ID,PROD\_ID,SHOP\_QUANTITY )VALUES (CUS\_ID\_SC,PROD\_ID\_SC ,:PRODUCTDETAILS.ADD\_QUANTITY);

forms\_ddl('commit');

SET\_ALERT\_PROPERTY('SUCCESS',alert\_message\_text, 'The product has been added to cart successfully');

END;