DECLARE

ResultCount NUMBER(3);

BEGIN

IF :UPDATE\_PRO\_LIST\_S.PRODUCT\_NAME IS NULL

THEN MESSAGE('Please fill in product name.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

---

SELECT COUNT(PRODUCT\_NAME) INTO ResultCount

FROM PRODUCT WHERE LOWER(PRODUCT\_NAME) LIKE LOWER(:UPDATE\_PRO\_LIST\_S.PRODUCT\_NAME);

IF ResultCount=0

THEN message('No product name are found based on your criteria');

RAISE form\_trigger\_failure;

ELSE null;

END IF;

IF ResultCount=1 THEN

IF:UPDATE\_PRO\_LIST\_S.UPDATE\_NAME is NULL and:UPDATE\_PRO\_LIST\_S.UPDATE\_Price IS NULL and :UPDATE\_PRO\_LIST\_S.UPDATE\_DESC IS NULL AND :UPDATE\_PRO\_LIST\_S.UPDATE\_TYPE IS NULL

THEN MESSAGE ('Please update at least one row.');

RAISE form\_trigger\_failure;

END IF;

END IF;

If :UPDATE\_PRO\_LIST\_S.UPDATE\_NAME IS NOT NULL

Then UPDATE PRODUCT Set PRODUCT\_NAME =:UPDATE\_PRO\_LIST\_S.UPDATE\_NAME

Where LOWER(PRODUCT\_NAME)= LOWER(:UPDATE\_PRO\_LIST\_S.PRODUCT\_NAME);

End If;

IF LENGTH (TRIM(TRANSLATE(:UPDATE\_PRO\_LIST\_S.UPDATE\_PRICE, '.0123456789', ' '))) IS NOT NULL

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

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

IF :UPDATE\_PRO\_LIST\_S.UPDATE\_PRICE <= 0

THEN message('Please enter value larger than 0.');

RAISE FORM\_TRIGGER\_FAILURE;

ELSE NULL;

END IF;

If :UPDATE\_PRO\_LIST\_S.UPDATE\_PRICE IS NOT NULL

Then UPDATE PRODUCT Set PRODUCT\_PRICE =:UPDATE\_PRO\_LIST\_S.UPDATE\_PRICE

Where LOWER(PRODUCT\_NAME)= LOWER(:UPDATE\_PRO\_LIST\_S.PRODUCT\_NAME);

End If;

If :UPDATE\_PRO\_LIST\_S.UPDATE\_DESC IS NOT NULL

Then UPDATE PRODUCT Set PRODUCT\_DESCRIPTION =:UPDATE\_PRO\_LIST\_S.UPDATE\_DESC

Where LOWER(PRODUCT\_NAME)= LOWER(:UPDATE\_PRO\_LIST\_S.PRODUCT\_NAME);

End If;

If :UPDATE\_PRO\_LIST\_S.UPDATE\_TYPE IS NOT NULL

Then UPDATE PRODUCT Set PRODUCT\_TYPE =:UPDATE\_PRO\_LIST\_S.UPDATE\_TYPE

Where LOWER(PRODUCT\_NAME)= LOWER(:UPDATE\_PRO\_LIST\_S.PRODUCT\_NAME);

End If;

Message('Product has been updated.');

forms\_ddl('Commit');

GO\_BLOCK('UPDATE\_PRO\_LIST\_S');

CLEAR\_BLOCK(no\_validate);

end;