

Update Delete Insert Modify Kullanılan Kod

```

TABLES zmm_t001.

DATA it_emp TYPE STANDARD TABLE OF zmm_t001.
DATA wa_emp TYPE zmm_t001.

wa_emp-ad = 'ABDULLAH11'.
wa_emp-cinsiyet = '1'.
wa_emp-ogrencino = '123384'.
wa_emp-soyad = 'BOZLAGAN'.

INSERT INTO zmm_t001 VALUES wa_emp.

IF sy-subrc EQ 0.
    WRITE / : 'sy-subrc değeri 0 döndü'.
ENDIF.

DELETE FROM zmm_t001 WHERE ogrencino = '123384' .

IF sy-subrc EQ 0.
    WRITE : 'sy-subrc değeri 0 döndü'.
ENDIF.

wa_emp-ad = 'AL1'.
wa_emp-cinsiyet = '2'.
wa_emp-ogrencino = '1415641'.
wa_emp-soyad = 'VEL1'.

UPDATE zmm_t001 FROM wa_emp .

IF sy-subrc EQ 0.
    WRITE / : 'sy-subrc değeri 0 döndü'.
ENDIF.

LOOP AT it_emp INTO wa_emp WHERE soyad = 'BOZLAGAN' .
    wa_emp-soyad = 'BOZLAGAN123'.
    MODIFY it_emp FROM wa_emp TRANSPORTING soyad .
ENDLOOP.

```

INSERT

"INSERT" komutu, bir veritabanına yeni veri eklemek için kullanılan SQL ifadesidir. Bu komut, belirli bir tabloya yeni bir kayıt eklemek için kullanılır.

Aşağıdaki Kod örneklerinde insert komutlarının çeşitlerini sıraladım.

----- 7.40 SYNTAX-----

```
DATA it_emp TYPE STANDARD TABLE OF zmm_t001.
DATA wa_emp TYPE zmm_t001.

wa_emp-ad = 'ABDULLAH'.
wa_emp-cinsiyet = '1'.
wa_emp-ogrencino = '123'.
wa_emp-soyad = 'BOZLAGAN'.

INSERT INTO zmm_t001 VALUES wa_emp .

SELECT * FROM zmm_t001 INTO TABLE it_emp.

READ TABLE it_emp INTO wa_emp INDEX 7.

WRITE : 'ad', wa_emp-ad.
skip .
WRITE : 'cinsiyet', wa_emp-cinsiyet.
skip .
WRITE : 'ogrencino', wa_emp-ogrencino LEFT-JUSTIFIED.
skip .
WRITE : 'soyad', wa_emp-soyad.

ÇIKTI: ad ABDULLAH

      cinsiyet 1

      ogrencino 123

      soyad BOZLAGAN
```

----- 7.40 SYNTAX -----

```

WA_EMP = VALUE #( ad = 'aaa'
                  cinsiyet = '1'
                  ogrencino = 14
                  soyad = 'deneme' ).

INSERT INTO zmm_t001 VALUES wa_emp .

SELECT * FROM zmm_t001 INTO TABLE it_emp.

READ TABLE it_emp INTO wa_emp INDEX 8.

WRITE : 'ad', wa_emp-ad LEFT-JUSTIFIED.
skip .
WRITE : 'cinsiyet', wa_emp-cinsiyet LEFT-JUSTIFIED.
skip .
WRITE : 'ogrencino', wa_emp-ogrencino LEFT-JUSTIFIED.
skip .
WRITE : 'soyad', wa_emp-soyad LEFT-JUSTIFIED.

ÇIKTI : ad ABDULLAH

        cinsiyet 1

        ogrencino 324

        soyad 111

```

----- 7.50 SYNTAX -----

```

INSERT INTO zmm_t001 VALUES @( VALUE #( ad = 'ALİ'
                  cinsiyet = '1'
                  ogrencino = 342252
                  soyad = 'VELİ' ) ).

SELECT * FROM zmm_t001 INTO TABLE it_emp.

READ TABLE it_emp INTO wa_emp INDEX 10.

WRITE : 'ad', wa_emp-ad LEFT-JUSTIFIED.
skip .
WRITE : 'cinsiyet', wa_emp-cinsiyet LEFT-JUSTIFIED.
skip .
WRITE : 'ogrencino', wa_emp-ogrencino LEFT-JUSTIFIED.
skip .
WRITE : 'soyad', wa_emp-soyad LEFT-JUSTIFIED.

```

```

ÇIKTI : ad ALİ
cinsiyet 1
ogrencino 342
soyad VELİ

```

-----IT'den DB Tablosuna INSERT-----

```

INSERT zmm_t001 FROM TABLE it_emp.

SELECT * FROM zmm_t001 INTO TABLE it_emp.

LOOP AT it_emp into wa_emp STEP 12 .
WRITE / : 'ad', wa_emp-ad LEFT-JUSTIFIED.
skip .
WRITE / : 'cinsiyet', wa_emp-cinsiyet LEFT-JUSTIFIED.
skip .
WRITE / : 'ogrencino', wa_emp-ogrencino LEFT-JUSTIFIED.
skip .
WRITE / : 'soyad', wa_emp-soyad LEFT-JUSTIFIED.
ENDLOOP.

```

-----IT'den DB Tablosuna INSERT 7.50-----

```

INSERT zmm_t001 FROM TABLE @( VALUE #(
    ( ad = '111'
      cinsiyet = '23'
      ogrencino = 5125312
      soyad = 'ahmet' )
    ( ad = 'mehmet'
      cinsiyet = '1'
      ogrencino = 144564
      soyad = 'yılmaz' )
    ( ad = 'baki'
      cinsiyet = '1'
      ogrencino = 1125344
      soyad = 'şimşek' ) ) ).

```

MODIFY

-----MODIFY-----

```
TYPES : BEGIN OF ty_deneme,
        kunnr TYPE knal-kunnr,
        ad1 TYPE knal-namel,
        yer1 TYPE knal-land1,
        ort01 TYPE knal-ort01,
      END OF ty_deneme.

DATA : it_knal TYPE TABLE OF ty_deneme,
      wa_knal TYPE ty_deneme.

DATA lv_kunnr TYPE knal-kunnr.
SELECT-OPTIONS so_kunnr FOR lv_kunnr.

SELECT kunnr namel land1 ort01 FROM knal INTO TABLE it_knal WHERE kunnr IN
so_kunnr.

cl_demo_output=>write( it_knal ).
```

IT_KNAL			
KUNNR	ADI1	YER1	ORT01
0010100001	Inlandskunde DE 1	DE	Schöntal
0010100002	Inlandskunde DE 2	DE	Chemnitz
0010100003	Inlandskunde DE 3	DE	Budenheim

```
LOOP AT it_knal INTO wa_knal WHERE kunnr = '0010100002'.
  wa_knal-ad1 = 'abdullah'.
  MODIFY it_knal FROM wa_knal TRANSPORTING ad1.
ENDLOOP.

cl_demo_output=>display( it_knal ).
```

IT_KNAL			
KUNNR	ADI1	YER1	ORT01
0010100001	Inlandskunde DE 1	DE	Schöntal
0010100002	abdullah	DE	Chemnitz
0010100003	Inlandskunde DE 3	DE	Budenheim

TRANSPORTING kullandığımız için sadece ilgili structure'ın ilgili field'i değiştirildi.

-----MODIFY-----

UPDATE

-----UPDATE-----

```
DATA it_emp TYPE STANDARD TABLE OF zmm_t001.
DATA wa_emp TYPE zmm_t001.

wa_emp-ad = 'ABDULLAH'.
wa_emp-cinsiyet = '1'.
wa_emp-ogrencino = '123'.
wa_emp-soyad = 'BOZLAGAN'.

update zmm_t001 FROM wa_emp .

SELECT * FROM zmm_t001 INTO TABLE it_emp.

READ TABLE it_emp INTO wa_emp INDEX 17.

WRITE : 'ad', wa_emp-ad.
skip .
WRITE : 'cinsiyet', wa_emp-cinsiyet.
skip .
WRITE : 'ogrencino', wa_emp-ogrencino LEFT-JUSTIFIED.
skip .
WRITE : 'soyad', wa_emp-soyad.

ÇIKTI : ad ABDULLAH

        cinsiyet 1

        ogrencino 123

        soyad BOZLAGAN
```

-----UPDATE-----

DELETE

-----DELETE-----

```
DATA it_emp TYPE STANDARD TABLE OF zmm_t001.
DATA wa_emp TYPE zmm_t001.

wa_emp-ad = 'ABDULLAH'.
wa_emp-cinsiyet = '1'.
wa_emp-ogrencino = '123'.
wa_emp-soyad = 'BOZLAGAN'.

insert into zmm_t001 VALUES wa_emp.

SELECT soyad FROM zmm_t001 INTO wa_emp where soyad = 'BOZLAGAN'.
WRITE : 'ad', wa_emp-ad.
skip .
WRITE : 'cinsiyet', wa_emp-cinsiyet.
skip .
WRITE : 'ogrencino', wa_emp-ogrencino LEFT-JUSTIFIED.
skip .
WRITE : 'soyad', wa_emp-soyad.
ENDSELECT.

DELETE FROM zmm_t001 WHERE ogrencino = '123' .

SELECT Single soyad into wa_emp from zmm_t001 where soyad = 'BOZLAGAN'.

IF sy-subrc lt 1.
WRITE : 'ad', wa_emp-ad.
skip .
WRITE : 'cinsiyet', wa_emp-cinsiyet.
skip .
WRITE : 'ogrencino', wa_emp-ogrencino LEFT-JUSTIFIED.
skip .
WRITE : 'soyad', wa_emp-soyad.
ENDIF.

ÇIKTI :ad ABDULLAH

      cinsiyet 1

      ogrencino 123

      soyad BOZLAGAN
```

Çıktı 1 kere basmasının sebebi hali hazırda id si 123 olan öğrenciyi delete ile sildiğimiz için select single sorgusu başarıyla tamamlanamıyor ve sy-subrc değeri 1 den büyük geldiği için ekrana tekrardan basmamış oluyor

KAYNAKÇA

1. https://help.sap.com/doc/abapdocu_753_index_htm/7.53/en-US/abapdelete_dbtab.htm
2. <https://www.saphub.com/abap-tutorial/changing-values-using-sap-open-sql/>
3. <https://answers.sap.com/questions/1604018/update-database-table-from-a-work-area.html>
4. https://help.sap.com/doc/abapdocu_751_index_htm/7.51/en-US/abapinsert_dbtab.htm
5. https://help.sap.com/doc/abapdocu_750_index_htm/7.50/en-US/abapupdate_source.htm