

Veritabanı Yönetimi ve Modellemesi Laboratuvarı

Hafta 9 Çözümleri

1-

Çözüm 1:

```
CREATE VIEW view_VirusBilgileri AS
SELECT
    Virus=TV.Ad,
    Tur=TVT.Ad,
    Atasi=TVA.Ad,
    Ortam=TOK.Ad,
    TureyenVirusSayisi=(SELECT COUNT(*) From tbl_virus
                        Where ataId=TV.id)
from tbl_virus TV INNER JOIN tbl_virusTur TVT
    ON TV.virusTurId=TVT.id
INNER JOIN tbl_OrtamSartlariVirus TOV
    ON TOV.VirusId=TV.id
INNER JOIN tbl_OrtamKosullari TOK
    ON TOK.id=TOV.OrtamKosulId
LEFT JOIN tbl_Virus TVA
    ON TVA.id=TV.ataId
```

Çözüm 2:

```
CREATE VIEW view_VirusBilgileri_v2 AS
SELECT
    Virus=TV.Ad,
    Tur=TVT.Ad,
    Atasi=TVA.Ad,
    Ortam=TOK.Ad,
    TureyenVirusSayisi=COUNT(TVS.id)
from tbl_virus TV INNER JOIN tbl_virusTur TVT
    ON TV.virusTurId=TVT.id
INNER JOIN tbl_OrtamSartlariVirus TOV
    ON TOV.VirusId=TV.id
INNER JOIN tbl_OrtamKosullari TOK
    ON TOK.id=TOV.OrtamKosulId
LEFT JOIN tbl_Virus TVA
    ON TVA.id=TV.ataId
LEFT JOIN tbl_Virus TVS
    ON TV.id=TVS.ataId
GROUP BY TV.Ad, TVT.Ad, TVA.Ad, TOK.Ad
```

2-

Çözüm :

```
CREATE VIEW view_VirusBilgileriSifreli WITH ENCRYPTION AS
SELECT
    Virus=TV.Ad,
    Tur=TVT.Ad,
    Atasi=TVA.Ad,
    ORtam=TOK.Ad,
    TureyenVirusSayisi=(SELECT COUNT(*) From tbl_virus
                        Where ataId=TV.id)
from tbl_virus TV INNER JOIN tbl_virusTur TVT
    ON TV.virusTurId=TVT.id
INNER JOIN tbl_OrtamSartlariVirus TOV
    ON TOV.VirusId=TV.id
INNER JOIN tbl_OrtamKosullari TOK
    ON TOK.id=TOV.OrtamKosulId
LEFT JOIN tbl_Virus TVA
    ON TVA.id=TV.ataId
```

3-

Çözüm :

```
select * from view_VirusBilgileri
```

```
select * from view_VirusBilgileriSifreli
```