

1.

```

create table bl (
  bl_id number(10) not null,
  estufe varchar2(4),
  bauweise varchar2(2),
  bnutzung char(1),
  z_max number(4),
  /*constraints*/
  constraint zul_estufe_ktg check (estufe IN ('LF' , 'BEWL' , 'RBL' , 'BRL' )),
  constraint zul_bauw_ktg check (bauweise IN ('o' , 'EH' , 'HG' , 'DH' , 'g' )),
  constraint zul_bl_nutz_ktg check (bnutzung IN ('W' , 'M' , 'G' , 'S' )),
  constraint zul_z_max check ((z_max >= 1 ) and (z_max <= 1000 )),
  /**/
  constraint pk_bl primary key (bl_id)
)

```

```

create table flst_bl (
  flst_kz varchar2(23) not null,
  bl_id number(10) not null,
  constraint pk_flst_bl primary key (flst_kz,bl_id),
  constraint fk_flst_bl_flst foreign key (flst_kz) references flst (flst_kz),
  constraint fk_flst_bl_bl foreign key (bl_id) references bl (bl_id)
)

```

3.

foreign key 11 existiert nicht constraint schlägt fehl

4.

```

select flst_bl.flst_kz
  from flst_bl
 left join bl on flst_bl.bl_id = bl.bl_id
 where bl.bnutzung in ('W','M')

```

```

select geb.*
  from geb
 left join geb_flst on geb.geb_kz = geb_flst.geb_kz
 where geb_flst.flst_kz is null

```

5.

1. select et.vorname, et.name from flst f
 

```

left join eigentum e on (e.grst_id = f.grst_id)
left join eigentuemer et on (e.pers_id = et.pers_id)
where f.flst_z = 543 and f.flst_n = 2

```
2. select flst\_bl.flst\_kz
 

```

from flst_bl
left join bl on flst_bl.bl_id = bl.bl_id
where bl.bnutzung in ('G')

```
3. select count(f.flst\_kz) from eigentuemer et
 

```

left join eigentum e on (e.pers_id = et.pers_id)
left join flst f on (e.grst_id = f.grst_id)
where et.name = 'Sächs. Grundstücksverwaltung GmbH'

```
4. select gemar\_name from gemar\_flur
 

```

where gemar_s not in (
  select f.gemar_s from geb_flst g
  left join flst f on (g.flst_kz = f.flst_kz)
)
order by gemar_name asc

```
5. select et.vorname, et.name from eigentuemer et
 

```

left join eigentum e on (e.pers_id = et.pers_id)
left join flst f on (e.grst_id = f.grst_id)
left join geb_flst gf on (f.flst_kz = gf.flst_kz)
left join geb g on (g.geb_kz = gf.geb_kz)
left join str s on (g.str_kz = s.str_kz)
where to_char(et.geb_datum,'yyyy') = '1900' and lower(s.str_name) = 'hauptstraße'

```
6. select et.vorname, et.name, count(f.flst\_kz) from eigentuemer et, eigentum e, flst f
 

```

where e.pers_id = et.pers_id
and e.grst_id = f.grst_id
group by et.vorname, et.name
order by 3 desc

```