Yunus Emre Ak / 1306150001

2. ödev / Veritabanı Yönetim Sistemleri

2-) $\Pi_{c.cid,\ count(grade)} \left(_{c.cid}\ g_{AVG(grade)>50} \left(\sigma_{t.cid=c.cid} \left(\rho_t(Take) \times \rho_c(Course) \right) \right) \right)$

3-) $mygrade \leftarrow \Pi_{grade} \left(\sigma_{t1.sid=st.sid \land st.name='Ali Kurt'} \left(\rho_{st}(Student) \times \rho_{f2}(Take) \right) \right)$

$\Pi_{s.*} \left(\sigma_{s.sid=t.sid \land grade >= ALL(mgrade)} \left(\rho_s(Student) \times \rho_t(Take) \right) \right)$

4-) $os \leftarrow \Pi_{st.sid} \left(\sigma_{st.sid=t1.sid \land t1.cid=c1.cid \land title='Operating Systems'} \left(\rho_{s1}(Student) \times \rho_{t1}(Take) \times \rho_{c1}(Course) \right) \right)$

$\Pi_{s.sid} \left(\sigma_{s.sid=t.sid \land t.cid=c.cid \land title='Database Systems' \land s.sid\ NOT\ IN\ (os)} \left(\rho_c(Course) \times \rho_s(Student) \times \rho_t(Take) \right) \right)$

5-) $\Pi_{t.*} \left(\sigma_{t.did=d.did \land dname='Bilgisayar Mühendisliği'} \left(\rho_t(Teacher) \times \rho_d(Department) \right) \right) - \Pi_{t.*} \left(\sigma_{t.did=d.did \land dname='Bilgisayar Mühendisliği' \land te.tid=t.tid} \left(\rho_t(Teacher) \times \rho_{te}(Teach) \times \rho_d(Department) \right) \right)$