**RELATIONAL ALGEBRA 20b1num0426**

**1** Menu-г харуулна уу

SELECT hoolID, hoolName, price

FROM menu

**π**hoolID, hoolName, price (menu)

2. Бүх waiter-уудын цалинг нэмж гаргана уу

SELECT SUM(salary)

FROM staff

Where position1 = “waiter”

**π**SUM(salary) **σ** position1 = “waiter” (staff)

3. Elizabeth аль ширээг хэдэнд хариуцсанг гаргана уу

SELECT o.shireeNo, o.orderDate

FROM orders o, staff s, shiree sh

WHERE sh.staffID = s.staffID AND sh.shireeNo = o.shireeNo AND s.fname = "Elizabeth"

**π**o.shireeNo, o.orderDate **σ** sh.staffID = s.staffID ∧ sh.shireeNo = o.shireeNo ∧ s.fname = "Elizabeth"(orders o, staff s, shiree sh)

4. Улаанбаатарт ажилладаг ажилтнуудын нэр position цалинг гаргана уу

SELECT s.fName, s.position1, s.salary

FROM staff s, branch b

WHERE b.branchID = s.branchID AND b.city = "Ulaanbaatar"

**π**s.fName, s.position1, s.salary **σ** b.branchID = s.branchID ∧ b.city = "Ulaanbaatar"(branch b, staff s)

5. 10 rating-тэй хоолны нэр болон сэтгэгдэлийг гаргана уу

SELECT m.hoolName, r.comment1

FROM menu m, rating r

WHERE r.hoolID = m.hoolID AND r.rating = 10

**π**m.hoolName, r.comment1 **σ** r.hoolID=m.hoolID ∧ r.rating = 10 (menu m, rating r)