1 task.

1. SELECT person\_name, person\_id FROM works WHERE company\_name= ”BigBank”;
2. SELECT w.person\_id, w.person\_name, e.city FROM works AS w, employee AS e WHERE w.company\_name=”BigBank” AND w.person\_id=e.person\_id;
3. SELECT w.person\_id, w.person\_name, e.street, e.city FROM works AS w, employee AS e WHERE w.company\_name=”BigBank” AND w.salary>10000 AND w.person\_id=e.person\_id;
4. SELECT w.person\_id, w.person\_name FROM works AS w, employee AS e, company AS c WHERE w.person\_id=e.person\_id AND w.company\_name=c.company\_name AND e.city=c.city;

2 task.

1. *Projection* person\_id, person\_name (*selection* NOT company\_name=”BigBank”(works))
2. *Projection* person\_id, person\_name (*selection* ALL( employee))

3 task.

If some rows of instructor contain for example dept\_name=”FIT”, referencing to the “FIT” row in the department, deleting “FIT” row from department can cause constraint violation.

4 task.

IF we have id field like it was given in 1st task, it would be them (person\_id for employee, company\_id for company, and both of them for works) else (person\_name for employee, company\_name for company, and both for works)