Exercise 2

1. The employer could use the information to statistically analyze the grades of the employee.   
   The employer could filter the data by the student\_id, to get all grades of one single person.  
   After that the employer could sum up the grades and divide them by the number of relevant exams.   
   If this grade differs too much from final\_grade by a specific threshold, the employer could assume that the diploma is falsified.
2. SELECT e.id, e.name, d.final\_grade, c.avg\_grade
3. FROM (
4. SELECT student\_id, AVG(grade) AS avg\_grade
5. FROM corrections
6. GROUP BY student\_id
7. ) c
8. JOIN employees e ON c.student\_id = e.id
9. JOIN diploma d ON e.id = d.employee
10. WHERE ABS(c.avg\_grade - d.final\_grade) >= 10;
11. First the employer should start internal investigations and formally inform the employee of the suspicion. If the employee can prove that everything is going according to plan, the investigation can be dropped.

If he does not give in or even denies it, legal action must be taken.