Примеры SQL-запросов к удаленной БД

Задания взяты с сайта sql-academy.org

Пример 1.

Задание:
Сколько и кто из семьи потратил на развлечения (entertainment).
Вывести статус в семье, имя, сумму

Решение:
SELECT status, member_name, SUM(unit_price*amount) AS costs
FROM FamilyMembers
INNER JOIN Payments JOIN Goods JOIN GoodTypes
ON FamilyMembers.member_id = Payments.family_member AND
Payments.good = Goods.good_id AND Goods.type =
GoodTypes.good_type_id
WHERE good_type_name = 'entertainment'
GROUP BY member_name, status

Пример 2.

Задание:
Найдите максимальный возраст (колич. лет) среди обучающихся 10
классов

Решение:
SELECT MAX(((YEAR(CURRENT_DATE) - YEAR(birthday)) -
(DATE_FORMAT(CURRENT_DATE, '%m%d') <
DATE_FORMAT(birthday, '%m%d')))) as max_year
FROM Student
INNER JOIN Student_in_class JOIN Class ON Student.id =
Student_in_class.student AND Student_in_class.class = Class.id
WHERE name LIKE '%10%'

Пример 3.

Задание:
Какой(ие) кабинет(ы) пользуются самым большим спросом?

Решение:
SELECT classroom FROM (
SELECT classroom, COUNT(*) AS cnt FROM Schedule
GROUP BY classroom) AS cnt
WHERE cnt = (SELECT MAX(cnt) FROM (
SELECT classroom, COUNT(*) AS cnt FROM Schedule
GROUP BY classroom) AS cnt)