**Домашнее задание по SQL**

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| Изображение выглядит как текст, снимок экрана, Шрифт, линия  Автоматически созданное описание  **SELECT**  **name,**  **telegram\_contact**  **FROM student**  **WHERE city IN ( 'Казань', 'Москва' )**  **ORDER BY 1 DESC;** |  |
| **SELECT**  **FORMAT( 'университет: %s; количество студентов: %s', name, size ) AS "полная информация"**  **FROM college**  **ORDER BY 1;** |  |
| **SELECT name, size**  **FROM college**  **WHERE id IN (10, 30, 50)**  **ORDER BY 2, 1;** |  |
| **SELECT name, size**  **FROM college**  **WHERE id NOT IN (10, 30, 50)**  **ORDER BY 2, 1;** |  |
| **SELECT name, amount\_of\_students**  **FROM course WHERE is\_online = true AND amount\_of\_students BETWEEN 27 AND 310 ORDER BY 1 DESC, 2 DESC;** |  |
| **SELECT name FROM student UNION SELECT name FROM course ORDER BY name DESC;** |  |
| **SELECT name, 'университет' AS object\_type**  **FROM college**  **UNION**  **SELECT name, 'курс'**  **FROM course**  **ORDER BY object\_type DESC, name;** |  |
| **SELECT name, amount\_of\_students**  **FROM course**  **ORDER BY CASE WHEN amount\_of\_students = 300 THEN 0 ELSE 1 END, amount\_of\_students**  **LIMIT 3;** |  |
| **INSERT INTO course**  **SELECT**  **60,**  **'Machine Learning',**  **FALSE,**  **17,**  **( SELECT college\_id FROM course WHERE name = 'Data Mining' );**  **SELECT \* FROM course;** |  |
| **SELECT id FROM course EXCEPT SELECT id FROM student\_on\_course**  **UNION**  **SELECT id FROM student\_on\_course EXCEPT SELECT id FROM course**  **ORDER BY 1;** |  |
| **SELECT s.name AS student\_name, c.name AS course\_name, c2.name AS student\_college, student\_rating**  **FROM student\_on\_course**  **JOIN student s ON student\_on\_course.student\_id = s.id**  **JOIN course c ON student\_on\_course.course\_id = c.id**  **JOIN college c2 ON s.college\_id = c2.id**  **WHERE student\_rating > 50 AND size > 5000**  **ORDER BY 1, 2;** |  |
| **SELECT s1.name AS student\_1, s2.name AS student\_2, s1.city**  **FROM student s1**  **JOIN student s2 ON s1.city = s2.city AND s1.name > s2.name**  **ORDER BY 1;** |  |
| **WITH s AS (**  **SELECT**  **CASE**  **WHEN student\_rating < 30 THEN 'неудовлетворительно'**  **WHEN student\_rating >= 30 and student\_rating < 60 THEN 'удовлетворительно'**  **WHEN student\_rating >= 60 and student\_rating < 85 THEN 'хорошо'**  **ELSE 'отлично'**  **END AS "оценка", \***  **FROM student\_on\_course**  **)**  **SELECT s."оценка", COUNT(s."оценка") AS "количество студентов"**  **FROM s**  **GROUP BY s."оценка" ORDER BY s."оценка";** |  |
| **SELECT course.name as "курс",**  **CASE**  **WHEN student\_rating < 30 THEN 'неудовлетворительно'**  **WHEN student\_rating >= 30 AND student\_rating < 60 THEN 'удовлетворительно'**  **WHEN student\_rating >= 60 AND student\_rating < 85 THEN 'хорошо'**  **--when student\_rating is null then pass**  **ELSE 'отлично'**  **END AS "оценка",**  **count(1) as "количество студентов"**  **FROM student\_on\_course**  **JOIN course ON student\_on\_course."course\_id" = course."id"**  **GROUP BY "курс", "оценка"**  **ORDER BY "курс", "оценка";** |  |