Таблица – supply

|  |  |
| --- | --- |
| **id** | **warehouse\_id** |
| 1 | 1 |
| 2 | 1 |
| … | … |
| 100 | 2 |

Таблица – warehouse

|  |  |
| --- | --- |
| **id** | **name** |
| 1 | Склад №1 |
| 2 | Склад №2 |

Таблица – status

|  |  |
| --- | --- |
| **id** | **name** |
| 100 | Создан |
| 200 | Прибыл |
| 300 | Начало разгрузки |
| 400 | Окончание разгрузки |
| 350 | Убыл на переоформление |

Таблица – supply\_log

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **id** | **supply\_id** | **status\_id** | **status\_moment** | **planned\_arrival** |
| 1 | 1 | 100 | 2020-01-20 19:50:00 | 2020-01-25 10:00:00 |
| 2 | 1 | 200 | 2020-01-25 09:01:00 | 2020-01-25 10:00:00 |
| 3 | 1 | 300 | 2020-01-25 09:30:00 | 2020-01-25 10:00:00 |
| 4 | 1 | 350 | 2020-01-25 09:35:00 | 2020-01-25 10:00:00 |
| 5 | 1 | 200 | 2020-01-27 11:45:00 | 2020-01-27 11:00:00 |
| 6 | 1 | 300 | 2020-01-27 12:22:00 | 2020-01-27 11:00:00 |
| 7 | 1 | 400 | 2020-01-27 13:12:00 | 2020-01-27 11:00:00 |
| … | … | … | … | … |
| 1000 | 100 | 100 | 2020-01-29 08:00:00 | 2020-02-10 12:00:00 |

1

SELECT supply\_id, status\_id, planned\_arrival, status200

FROM

(SELECT supply\_id, status\_id, planned\_arrival

FROM supply\_log

GROUP BY supply\_id, status\_id, planned\_arrival) as a1

LEFT JOIN

(SELECT supply\_id, status\_id, status\_moment as , planned\_arrival

FROM supply\_log

WHERE status\_id = 200) as a2

**USING(supply\_id**, **status\_id, planned\_arrival) as a2**

Задание 1:

Вывести для каждой поставки и планируемого времени прибытия (supply\_id + planned\_arrival): фактическое время прибытия поставки, время начала разгрузки, окончание разгрузки, склад. Пример, каким должен получиться результат см. ниже.

Задание 2:

Вывести тоже самое, но с учетом того, что сотрудники склада могут ошибочно проставить после статуса «Разгрузка окончена» (2020-01-27 13:12:00) снова статус «Разгрузка началась» (2020-01-27 13:13:00) , хотя по факту разгрузка началась в 2020-01-27 12:22:00.

Пример:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **id** | **supply\_id** | **status** | **status\_moment** | **planned\_arrival** |
| 1 | 1 | 100 | 2020-01-20 19:50:00 | 2020-01-25 10:00:00 |
| 2 | 1 | 200 | 2020-01-25 09:01:00 | 2020-01-25 10:00:00 |
| 3 | 1 | 300 | 2020-01-25 09:30:00 | 2020-01-25 10:00:00 |
| 4 | 1 | 350 | 2020-01-25 09:35:00 | 2020-01-25 10:00:00 |
| 5 | 1 | 200 | 2020-01-27 11:45:00 | 2020-01-27 11:00:00 |
| 6 | 1 | 300 | 2020-01-27 12:22:00 | 2020-01-27 11:00:00 |
| 7 | 1 | 400 | 2020-01-27 13:12:00 | 2020-01-27 11:00:00 |
| 8 | 1 | 300 | 2020-01-27 13:13:00 | 2020-01-27 11:00:00 |
| … | … | … | … | … |
| 1000 | 100 | 100 | 2020-01-29 08:00:00 | 2020-02-10 12:00:00 |

Результат для обеих задач должен получиться одинаковым:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **supply\_id** | **planned\_arrival** | **status200** | **status300** | **status400** | **warehouse\_name** |
| 1 | 2020-01-25 10:00:00 | 2020-01-25 09:01:00 | 2020-01-25 09:30:00 |  | Склад №1 |
| 1 | 2020-01-27 11:00:00 | 2020-01-27 11:45:00 | 2020-01-27 12:22:00 | 2020-01-27 13:12:00 | Склад №1 |
| … | … | … | … | … | … |

**Задание 1**

SELECT supply\_id, planned\_arrival, status200, status300, status400, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, status200, status300, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, status200, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, warehouse\_id

FROM

(SELECT supply\_id, planned\_arrival

FROM supply\_log

GROUP BY supply\_id, planned\_arrival) as a1

LEFT JOIN

(SELECT id as supply\_id, warehouse\_id

FROM supply) as a2

USING (supply\_id)) as a3

LEFT JOIN

(SELECT id as warehouse\_id, name as warehouse\_name

FROM warehouse) as a4

USING (warehouse\_id)) as a5

LEFT JOIN

(SELECT supply\_id, planned\_arrival, status\_moment as status200

FROM supply\_log

WHERE status\_id = 200) as a6

USING (supply\_id, planned\_arrival)) as a7

LEFT JOIN

(SELECT supply\_id, planned\_arrival, status\_moment as status300

FROM supply\_log

WHERE status\_id = 300) as a8

USING (supply\_id, planned\_arrival)) as a9

LEFT JOIN

(SELECT supply\_id, planned\_arrival, status\_moment as status400

FROM supply\_log

WHERE status\_id = 400) as a10

USING (supply\_id, planned\_arrival)

**Задание 2**

SELECT supply\_id, planned\_arrival, status200, status300, status400, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, status200, status300, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, status200, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, warehouse\_name

FROM

(SELECT supply\_id, planned\_arrival, warehouse\_id

FROM

(SELECT supply\_id, planned\_arrival

FROM supply\_log

GROUP BY supply\_id, planned\_arrival) as a1

LEFT JOIN

(SELECT id as supply\_id, warehouse\_id

FROM supply) as a2

USING (supply\_id)) as a3

LEFT JOIN

(SELECT id as warehouse\_id, name as warehouse\_name

FROM warehouse) as a4

USING (warehouse\_id)) as a5

LEFT JOIN

(SELECT supply\_id, planned\_arrival, MIN(status\_moment) as status200

FROM supply\_log

WHERE status\_id = 200

GROUP BY supply\_id, planned\_arrival) as a6

USING (supply\_id, planned\_arrival)) as a7

LEFT JOIN

(SELECT supply\_id, planned\_arrival, MIN(status\_moment) as status300

FROM supply\_log

WHERE status\_id = 300

GROUP BY supply\_id, planned\_arrival) as a8

USING (supply\_id, planned\_arrival)) as a9

LEFT JOIN

(SELECT supply\_id, planned\_arrival, MIN(status\_moment) as status400

FROM supply\_log

WHERE status\_id = 400

GROUP BY supply\_id, planned\_arrival) as a10

USING (supply\_id, planned\_arrival)