SQL Schema

Table: Drivers

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| Column Name | Type |

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| driver\_id | int |

| join\_date | date |

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driver\_id is the primary key for this table.

Each row of this table contains the driver's ID and the date they joined the Hopper company.

Table: Rides

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| Column Name | Type |

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| ride\_id | int |

| user\_id | int |

| requested\_at | date |

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ride\_id is the primary key for this table.

Each row of this table contains the ID of a ride, the user's ID that requested it, and the day they requested it.

There may be some ride requests in this table that were not accepted.

Table: AcceptedRides

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| Column Name | Type |

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| ride\_id | int |

| driver\_id | int |

| ride\_distance | int |

| ride\_duration | int |

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ride\_id is the primary key for this table.

Each row of this table contains some information about an accepted ride.

It is guaranteed that each accepted ride exists in the Rides table.

Write an SQL query to compute the average\_ride\_distance and average\_ride\_duration of every 3-month window starting from **January - March 2020** to **October - December 2020**. Round average\_ride\_distance and average\_ride\_duration to the nearest **two decimal places**.

The average\_ride\_distance is calculated by summing up the total ride\_distance values from the three months and dividing it by 3. The average\_ride\_duration is calculated in a similar way.

Return the result table ordered by month in ascending order, where month is the starting month's number (January is 1, February is 2, etc.).

The query result format is in the following example.

Drivers table:

+-----------+------------+

| driver\_id | join\_date |

+-----------+------------+

| 10 | 2019-12-10 |

| 8 | 2020-1-13 |

| 5 | 2020-2-16 |

| 7 | 2020-3-8 |

| 4 | 2020-5-17 |

| 1 | 2020-10-24 |

| 6 | 2021-1-5 |

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Rides table:

+---------+---------+--------------+

| ride\_id | user\_id | requested\_at |

+---------+---------+--------------+

| 6 | 75 | 2019-12-9 |

| 1 | 54 | 2020-2-9 |

| 10 | 63 | 2020-3-4 |

| 19 | 39 | 2020-4-6 |

| 3 | 41 | 2020-6-3 |

| 13 | 52 | 2020-6-22 |

| 7 | 69 | 2020-7-16 |

| 17 | 70 | 2020-8-25 |

| 20 | 81 | 2020-11-2 |

| 5 | 57 | 2020-11-9 |

| 2 | 42 | 2020-12-9 |

| 11 | 68 | 2021-1-11 |

| 15 | 32 | 2021-1-17 |

| 12 | 11 | 2021-1-19 |

| 14 | 18 | 2021-1-27 |

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AcceptedRides table:

+---------+-----------+---------------+---------------+

| ride\_id | driver\_id | ride\_distance | ride\_duration |

+---------+-----------+---------------+---------------+

| 10 | 10 | 63 | 38 |

| 13 | 10 | 73 | 96 |

| 7 | 8 | 100 | 28 |

| 17 | 7 | 119 | 68 |

| 20 | 1 | 121 | 92 |

| 5 | 7 | 42 | 101 |

| 2 | 4 | 6 | 38 |

| 11 | 8 | 37 | 43 |

| 15 | 8 | 108 | 82 |

| 12 | 8 | 38 | 34 |

| 14 | 1 | 90 | 74 |

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Result table:

+-------+-----------------------+-----------------------+

| month | average\_ride\_distance | average\_ride\_duration |

+-------+-----------------------+-----------------------+

| 1 | 21.00 | 12.67 |

| 2 | 21.00 | 12.67 |

| 3 | 21.00 | 12.67 |

| 4 | 24.33 | 32.00 |

| 5 | 57.67 | 41.33 |

| 6 | 97.33 | 64.00 |

| 7 | 73.00 | 32.00 |

| 8 | 39.67 | 22.67 |

| 9 | 54.33 | 64.33 |

| 10 | 56.33 | 77.00 |

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By the end of January --> average\_ride\_distance = (0+0+63)/3=21, average\_ride\_duration = (0+0+38)/3=12.67

By the end of February --> average\_ride\_distance = (0+63+0)/3=21, average\_ride\_duration = (0+38+0)/3=12.67

By the end of March --> average\_ride\_distance = (63+0+0)/3=21, average\_ride\_duration = (38+0+0)/3=12.67

By the end of April --> average\_ride\_distance = (0+0+73)/3=24.33, average\_ride\_duration = (0+0+96)/3=32.00

By the end of May --> average\_ride\_distance = (0+73+100)/3=57.67, average\_ride\_duration = (0+96+28)/3=41.33

By the end of June --> average\_ride\_distance = (73+100+119)/3=97.33, average\_ride\_duration = (96+28+68)/3=64.00

By the end of July --> average\_ride\_distance = (100+119+0)/3=73.00, average\_ride\_duration = (28+68+0)/3=32.00

By the end of August --> average\_ride\_distance = (119+0+0)/3=39.67, average\_ride\_duration = (68+0+0)/3=22.67

By the end of Septemeber --> average\_ride\_distance = (0+0+163)/3=54.33, average\_ride\_duration = (0+0+193)/3=64.33

By the end of October --> average\_ride\_distance = (0+163+6)/3=56.33, average\_ride\_duration = (0+193+38)/3=77.00