DBMS Lab-06

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Section: H

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Task1:

```
| PariaOB [peslug20cs450]> select t.train_no, avg(distance) from train as t natural join route_info as r where r.to_station_no -1 = r.from_station_no group by train_no;
| train_no | avg(distance) |
| 25260 | 175.5000 |
| 25261 | 166.3333 |
| 56450 | 168.0000 |
| 58451 | 167.6667 |
| 62620 | 90.5000 |
| 62621 | 90.5000 |
| 62621 | 90.5000 |
```

Task2:

```
| PariaDB | pesJug2805459| > select t.train.no, avg(distance) from train as t natural join route_info as r where r.to_station_no -1 = r.from_station_no -> group by train_no order by avg(distance)desc;

| train_no | avg(distance) |
| 25260 | 175.5000 |
| 58450 | 168.0000 |
| 58451 | 167.6667 |
| 25261 | 169.3333 |
| 62621 | 90.5000 |
| 62620 | 90.5000 |
| 62620 | 90.5500 |
```

Task3:

```
MariaDB [pesiugDecASD]) select train_no, distance from train natural join route_info where source=from_station_name and destination=to_station_name group by train_no order by distance desc
train_no | distance |

58650 | 584 |
58651 | 583 |
58651 | 583 |
58652 | 383 |
68621 | 383 |
68621 | 383 |
68623 | 363 |
68626 | 364 |
68628 | 365 |
68628 | 365 |
68628 | 365 |
```

Task4:

Task5:

```
MariaDB [pes1ug20cs450]> select user_id, count(user_id) as no_phone_num from user_phone where user_id in ('ADM_001','USR_006','USR_010') group by user_id;

| user_id | no_phone_num |
| ADM_001 | 2 |
| USR_006 | 2 |
| USR_006 | 2 |
| USR_001 | 2 |
| 3 rows in set (0.001 sec)
```

Task6:

Task7:

Task8: