

NAME : TAZMEEN AFROZ
ROLL NO: 22P-9252
SECTION : BAI-4A

SELECT EMP_FNAME,EMP_LNAME FROM EMPLOYEE NATURAL JOIN HOURS GROUP BY EMP_NUM HAVING AVG(HOUR_RATE) > (SELECT AVG(HOUR_RATE) FROM HOURS);

```
MariaDB [THEME_PARK]> SELECT EMP_FNAME,EMP_LNAME FROM EMPLOYEE NATURAL JOIN HOURS GROUP BY EMP_NUM HAVING AVG(HOUR_RATE) > (SELECT AVG(HOUR_RATE) FROM HOURS);
+-----+-----+
| EMP_FNAME | EMP_LNAME |
+-----+-----+
| Enrica    | Denver    |
| Mirrelle  | Namowa    |
+-----+-----+
2 rows in set (0.002 sec)
```

SELECT EMP_FNAME,EMP_LNAME,DATE_WORKED, (SELECT AVG(HOURS_PER_ATTRACT) FROM HOURS) AS AVERAGE,HOURS_PER_ATTRACT - (SELECT AVG(HOURS_PER_ATTRACT) FROM HOURS) AS DIFF FROM EMPLOYEE NATURAL JOIN HOURS;

```
2 rows in set (0.006 sec)

MariaDB [THEME_PARK]> SELECT EMP_FNAME,EMP_LNAME,DATE_WORKED, (SELECT AVG(HOURS_PER_ATTRACT) FROM HOURS) AS AVERAGE,HOURS_PER_ATTRACT - (SELECT AVG(HOURS_PER_ATTRACT) FROM HOURS) AS DIFF FROM EMPLOYEE NATURAL JOIN HOURS;
+-----+-----+-----+-----+-----+
| EMP_FNAME | EMP_LNAME | DATE_WORKED | AVERAGE | DIFF |
+-----+-----+-----+-----+-----+
| Emma      | Calderdale | 2007-05-18 | 4.9091 | 1.0909 |
| Emma      | Calderdale | 2007-05-20 | 4.9091 | 1.0909 |
| Marshel   | Ricardo    | 2007-05-18 | 4.9091 | 1.0909 |
| Arif      | Arshad     | 2007-05-23 | 4.9091 | -1.9091 |
| Arif      | Arshad     | 2007-05-21 | 4.9091 | 1.0909 |
| Arif      | Arshad     | 2007-05-22 | 4.9091 | -1.9091 |
| Enrica    | Denver     | 2007-05-21 | 4.9091 | 1.0909 |
| Enrica    | Denver     | 2007-05-22 | 4.9091 | 1.0909 |
| Mirrelle  | Namowa     | 2007-05-18 | 4.9091 | -1.9091 |
| Mirrelle  | Namowa     | 2007-05-18 | 4.9091 | -1.9091 |
| Mirrelle  | Namowa     | 2007-05-19 | 4.9091 | 1.0909 |
+-----+-----+-----+-----+-----+
11 rows in set (0.001 sec)
```

SELECT TRANSACTION_NO,LINE_NO,LINE_QTY,LINE_PRICE FROM SALES_LINE SL WHERE SL.LINE_QTY > (SELECT AVG(LINE_QTY) FROM SALES_LINE SA WHERE SA.TRANSACTION_NO = SL.TRANSACTION_NO);

```
MariaDB [THEME_PARK]> SELECT TRANSACTION_NO,LINE_NO,LINE_QTY,LINE_PRICE FROM SALES_LINE SL WHERE SL.LINE_QTY > (SELECT AVG(LINE_QTY) FROM SALES_LINE SA WHERE SA.TRANSACTION_NO = SL.TRANSACTION_NO);
```

TRANSACTION_NO	LINE_NO	LINE_QTY	LINE_PRICE
12781	1	2	69.98
12785	3	4	139.96
34534	1	4	168.40
34537	1	2	84.20
34540	1	4	168.40

5 rows in set (0.001 sec)

```
SELECT PARK_CODE,PARK_NAME,PARK_COUNTRY FROM THEMEPARK WHERE EXISTS(SELECT PARK_CODE FROM SALES WHERE SALES.PARK_CODE = THEMEPARK.PARK_CODE);
```

```
MariaDB [THEME_PARK]> SELECT PARK_CODE,PARK_NAME,PARK_COUNTRY FROM THEMEPARK WHERE EXISTS(SELECT PARK_CODE FROM SALES WHERE SALES.PARK_CODE = THEMEPARK.PARK_CODE);
```

PARK_CODE	PARK_NAME	PARK_COUNTRY
FR1001	FairyLand	FR
UK3452	PleasureLand	UK
ZA1342	GoldTown	ZA

3 rows in set (0.001 sec)

```
SELECT PARK_CODE, PARK_NAME, PARK_COUNTRY FROM THEMEPARK WHERE NOT EXISTS (SELECT PARK_CODE FROM SALES WHERE SALES.PARK_CODE = THEMEPARK.PARK_CODE);
```

```
MariaDB [THEME_PARK]> SELECT PARK_CODE, PARK_NAME, PARK_COUNTRY FROM THEMEPARK WHERE NOT EXISTS (SELECT PARK_CODE FROM SALES WHERE SALES.PARK_CODE = THEMEPARK.PARK_CODE);
```

PARK_CODE	PARK_NAME	PARK_COUNTRY
NL1202	Efling	NL
SP4533	AdventurePort	SP
SW2323	Labyrinthe	SW
UK2622	MiniLand	UK

4 rows in set (0.001 sec)

```
SELECT ATTRACT_CAPACITY FROM ATTRACTION WHERE ATTRACT_CAPACITY <=
(SELECT AVG(ATTRACT_CAPACITY) FROM ATTRACTION);
```

```
MarlaDB [THEME_PARK]> SELECT ATTRACT_CAPACITY FROM ATTRACTION WHERE ATTRACT_CAPACITY <= (SELECT AVG(ATTRACT_CAPACITY) FROM ATTRACTION);
```

ATTRACT_CAPACITY
34
62
24
30
40
34
42

```
7 rows in set (0.001 sec)
```

```
SELECT ATTRACT_CAPACITY, ATTRACT_NO,ATTRACT_NAME,ATTRACT_AGE FROM
ATTRACTION WHERE ATTRACT_CAPACITY <= (SELECT AVG(ATTRACT_CAPACITY)
FROM ATTRACTION);
```

```
MarlaDB [THEME_PARK]> SELECT ATTRACT_CAPACITY, ATTRACT_NO,ATTRACT_NAME,ATTRACT_AGE FROM ATTRACTION WHERE ATTRACT_CAPACITY <= (SELECT AVG(ATTRACT_CAPACITY) FROM ATTRACTION);
```

ATTRACT_CAPACITY	ATTRACT_NO	ATTRACT_NAME	ATTRACT_AGE
34	10034	ThunderCoaster	11
62	10056	SpinningTeacups	4
24	10067	FlightToStars	11
30	10078	Ant-Trap	23
40	10082	NULL	10
34	30011	BlackHole2	12
42	30012	Pirates	10

```
7 rows in set (0.001 sec)
```