

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

SELECT AVG(HOUR\_RATE) FROM HOURS;

```
MariaDB [THEME_PARK]> SELECT AVG(HOUR_RATE) FROM HOURS;
+-----+
| AVG(HOUR_RATE) |
+-----+
|          7.033636 |
+-----+
1 row in set (0.000 sec)
```

SELECT AVG(ATTRACT\_AGE) FROM ATTRACTION WHERE PARK\_CODE = 'UK3452';

```
MariaDB [THEME_PARK]> SELECT AVG(ATTRACT_AGE) FROM ATTRACTION WHERE PARK_CODE = 'UK3452';
+-----+
| AVG(ATTRACT_AGE) |
+-----+
|          7.2500 |
+-----+
1 row in set (0.001 sec)
```

SELECT EMP\_NUM,SUM(HOURS\_PER\_ATTRACT) AS TOTAL\_HOUR FROM HOURS  
GROUP BY EMP\_NUM;

```
MariaDB [THEME_PARK]> SELECT EMP_NUM,SUM(HOURS_PER_ATTRACT) AS TOTAL_HOUR FROM HOURS GROUP BY EMP_NUM;
+-----+-----+
| EMP_NUM | TOTAL_HOUR |
+-----+-----+
|      100 |          12 |
|      101 |           6 |
|      102 |          12 |
|      104 |          12 |
|      105 |          12 |
+-----+-----+
5 rows in set (0.001 sec)
```

SELECT ATTRACT\_NO,MIN(HOUR\_RATE),MAX(HOUR\_RATE) FROM HOURS GROUP BY  
ATTRACT\_NO;

```
MariaDB [THEME_PARK]> SELECT ATTRACT_NO,MIN(HOUR_RATE),MAX(HOUR_RATE) FROM HOURS GROUP BY ATTRACT_NO;
```

| ATTRACT_NO | MIN(HOUR_RATE) | MAX(HOUR_RATE) |
|------------|----------------|----------------|
| 10034      | 6.50           | 6.50           |
| 10078      | 8.50           | 8.50           |
| 10098      | 8.50           | 8.50           |
| 30011      | 7.20           | 7.20           |
| 30012      | 5.99           | 7.20           |
| 30044      | 5.99           | 5.99           |

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

**SELECT EMP\_NUM,ATTRACT\_NO,AVG(HOURS\_PER\_ATTRACT) FROM HOURS GROUP BY EMP\_NUM,ATTRACT\_NO HAVING AVG(HOURS\_PER\_ATTRACT) >=5;**

```
MariaDB [THEME_PARK]> SELECT EMP_NUM,ATTRACT_NO,AVG(HOURS_PER_ATTRACT) FROM HOURS GROUP BY EMP_NUM,ATTRACT_NO HAVING AVG(HOURS_PER_ATTRACT) >=5;
```

| EMP_NUM | ATTRACT_NO | AVG(HOURS_PER_ATTRACT) |
|---------|------------|------------------------|
| 100     | 10034      | 6.0000                 |
| 101     | 10034      | 6.0000                 |
| 104     | 30011      | 6.0000                 |
| 104     | 30012      | 6.0000                 |

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

**SELECT \* FROM HOURS CROSS JOIN EMPLOYEE;**

| EMP_NUM | ATTRACT_NO | HOURS_PER_ATTRACT | HOURLY_RATE | DATE_WORKED | EMP_NUM | EMP_TITLE | EMP_LNAME  | EMP_FNAME | EMP_DOB    | EMP_HIRE_DATE | EMP_AREA_CODE | EMP_PHONE | PARK_CODE |
|---------|------------|-------------------|-------------|-------------|---------|-----------|------------|-----------|------------|---------------|---------------|-----------|-----------|
| 100     | 10034      | 6                 | 6.50        | 2007-05-18  | 100     | Mrs       | Calderdale | Emma      | 1972-06-15 | 1992-03-15    | 0181          | 124-9134  | PR1001    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-18  | 101     | Mrs       | Ricardo    | Marshall  | 1978-03-19 | 1996-04-25    | 0181          | 124-4472  | UC4352    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-18  | 102     | Mrs       | Arshad     | Arif      | 1969-11-14 | 1990-12-20    | 7253          | 075-8993  | PR1001    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-18  | 103     | Mrs       | Roberts    | Anne      | 1974-10-16 | 1994-08-16    | 0181          | 898-3456  | UC4352    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-18  | 104     | Mrs       | Denver     | Enrica    | 1980-11-08 | 2001-10-20    | 7253          | 504-4434  | Z41342    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-18  | 105     | Mrs       | Nannaw     | Murrelle  | 1990-03-14 | 2006-11-08    | 0181          | 898-3243  | PR1001    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-18  | 106     | Mrs       | Smith      | Gemma     | 1968-02-12 | 1989-01-05    | 0181          | 124-7845  | Z41342    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-20  | 100     | Mrs       | Calderdale | Emma      | 1972-06-15 | 1992-03-15    | 0181          | 124-9134  | PR1001    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-20  | 101     | Mrs       | Ricardo    | Marshall  | 1978-03-19 | 1996-04-25    | 0181          | 124-4472  | UC4352    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-20  | 102     | Mrs       | Arshad     | Arif      | 1969-11-14 | 1990-12-20    | 7253          | 075-8993  | PR1001    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-20  | 103     | Mrs       | Roberts    | Anne      | 1974-10-16 | 1994-08-16    | 0181          | 898-3456  | UC4352    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-20  | 104     | Mrs       | Denver     | Enrica    | 1980-11-08 | 2001-10-20    | 7253          | 504-4434  | Z41342    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-20  | 105     | Mrs       | Nannaw     | Murrelle  | 1990-03-14 | 2006-11-08    | 0181          | 898-3243  | PR1001    |
| 100     | 10034      | 6                 | 6.50        | 2007-05-20  | 106     | Mrs       | Smith      | Gemma     | 1968-02-12 | 1989-01-05    | 0181          | 124-7845  | Z41342    |
| 101     | 10034      | 6                 | 6.50        | 2007-05-18  | 100     | Mrs       | Calderdale | Emma      | 1972-06-15 | 1992-03-15    | 0181          | 124-9134  | PR1001    |
| 101     | 10034      | 6                 | 6.50        | 2007-05-18  | 101     | Mrs       | Ricardo    | Marshall  | 1978-03-19 | 1996-04-25    | 0181          | 124-4472  | UC4352    |
| 101     | 10034      | 6                 | 6.50        | 2007-05-18  | 102     | Mrs       | Arshad     | Arif      | 1969-11-14 | 1990-12-20    | 7253          | 075-8993  | PR1001    |
| 101     | 10034      | 6                 | 6.50        | 2007-05-18  | 103     | Mrs       | Roberts    | Anne      | 1974-10-16 | 1994-08-16    | 0181          | 898-3456  | UC4352    |
| 101     | 10034      | 6                 | 6.50        | 2007-05-18  | 104     | Mrs       | Denver     | Enrica    | 1980-11-08 | 2001-10-20    | 7253          | 504-4434  | Z41342    |
| 101     | 10034      | 6                 | 6.50        | 2007-05-18  | 105     | Mrs       | Nannaw     | Murrelle  | 1990-03-14 | 2006-11-08    | 0181          | 898-3243  | PR1001    |
| 101     | 10034      | 6                 | 6.50        | 2007-05-18  | 106     | Mrs       | Smith      | Gemma     | 1968-02-12 | 1989-01-05    | 0181          | 124-7845  | Z41342    |
| 102     | 30012      | 3                 | 5.99        | 2007-05-23  | 100     | Mrs       | Calderdale | Emma      | 1972-06-15 | 1992-03-15    | 0181          | 124-9134  | PR1001    |
| 102     | 30012      | 3                 | 5.99        | 2007-05-23  | 101     | Mrs       | Ricardo    | Marshall  | 1978-03-19 | 1996-04-25    | 0181          | 124-4472  | UC4352    |
| 102     | 30012      | 3                 | 5.99        | 2007-05-23  | 102     | Mrs       | Arshad     | Arif      | 1969-11-14 | 1990-12-20    | 7253          | 075-8993  | PR1001    |
| 102     | 30012      | 3                 | 5.99        | 2007-05-23  | 103     | Mrs       | Roberts    | Anne      | 1974-10-16 | 1994-08-16    | 0181          | 898-3456  | UC4352    |
| 102     | 30012      | 3                 | 5.99        | 2007-05-23  | 104     | Mrs       | Denver     | Enrica    | 1980-11-08 | 2001-10-20    | 7253          | 504-4434  | Z41342    |
| 102     | 30012      | 3                 | 5.99        | 2007-05-23  | 105     | Mrs       | Nannaw     | Murrelle  | 1990-03-14 | 2006-11-08    | 0181          | 898-3243  | PR1001    |
| 102     | 30012      | 3                 | 5.99        | 2007-05-23  | 106     | Mrs       | Smith      | Gemma     | 1968-02-12 | 1989-01-05    | 0181</        |           |           |

MarLaDB [THEME\_PATH]&gt;

```
SELECT EMP_LNAME,EMP_FNAME,ATTRACT_NO ,DATE_WORKED FROM HOURS
NATURAL JOIN EMPLOYEE;
```

```
Database changed
MariaDB [THEME_PARK]> SELECT EMP_LNAME,EMP_FNAME,ATTRACT_NO,DATE_WORKED FROM HOURS NATURAL JOIN EMPLOYEE;
```

| EMP_LNAME  | EMP_FNAME | ATTRACT_NO | DATE_WORKED |
|------------|-----------|------------|-------------|
| Calderdale | Emma      | 10034      | 2007-05-18  |
| Calderdale | Emma      | 10034      | 2007-05-20  |
| Ricardo    | Marshel   | 10034      | 2007-05-18  |
| Arshad     | Arif      | 30012      | 2007-05-23  |
| Arshad     | Arif      | 30044      | 2007-05-21  |
| Arshad     | Arif      | 30044      | 2007-05-22  |
| Denver     | Enrica    | 30011      | 2007-05-21  |
| Denver     | Enrica    | 30012      | 2007-05-22  |
| Namowa     | Mirrelle  | 10078      | 2007-05-18  |
| Namowa     | Mirrelle  | 10098      | 2007-05-18  |
| Namowa     | Mirrelle  | 10098      | 2007-05-19  |

```
11 rows in set (0.168 sec)
```

```
SELECT
EMP_LNAME,EMP_FNAME,HOURS.ATTRACT_NO,DATE_WORKED,ATTRACT_NAME
FROM HOURS NATURAL JOIN EMPLOYEE JOIN ATTRACTION ON
HOURS.ATTRACT_NO = ATTRACTION.ATTRACT_NO;
```

```
MariaDB [THEME_PARK]> SELECT EMP_LNAME,EMP_FNAME,HOURS.ATTRACT_NO,DATE_WORKED,ATTRACT_NAME FROM HOURS NATURAL JOIN EMPLOYEE JOIN ATTRACTION ON
HOURS.ATTRACT_NO = ATTRACTION.ATTRACT_NO;
```

| EMP_LNAME  | EMP_FNAME | ATTRACT_NO | DATE_WORKED | ATTRACT_NAME   |
|------------|-----------|------------|-------------|----------------|
| Calderdale | Emma      | 10034      | 2007-05-18  | ThunderCoaster |
| Calderdale | Emma      | 10034      | 2007-05-20  | ThunderCoaster |
| Ricardo    | Marshel   | 10034      | 2007-05-18  | ThunderCoaster |
| Arshad     | Arif      | 30012      | 2007-05-23  | Pirates        |
| Arshad     | Arif      | 30044      | 2007-05-21  | UnderSeaWord   |
| Arshad     | Arif      | 30044      | 2007-05-22  | UnderSeaWord   |
| Denver     | Enrica    | 30011      | 2007-05-21  | BlackHole2     |
| Denver     | Enrica    | 30012      | 2007-05-22  | Pirates        |
| Namowa     | Mirrelle  | 10078      | 2007-05-18  | Ant-Trap       |
| Namowa     | Mirrelle  | 10098      | 2007-05-18  | Carnival       |
| Namowa     | Mirrelle  | 10098      | 2007-05-19  | Carnival       |

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

```
SELECT T.PARK_NAME, SUM(SL.LINE_PRICE) AS TOTAL_SALES FROM THEMEPARK T
JOIN SALES S ON T.PARK_CODE = S.PARK_CODE JOIN SALES_LINE SL ON
S.TRANSACTION_NO = SL.TRANSACTION_NO WHERE T.PARK_COUNTRY IN ('UK','FR')
GROUP BY T.PARK_CODE, T.PARK_NAME;
```

```
MariaDB [THEME_PARK]> SELECT T.PARK_NAME, SUM( SL.LINE_PRICE) AS TOTAL_SALES FROM THEMEPARK T JOIN SALES S ON T.PARK_CODE = S.PARK_CODE JOI
N SALES_LINE SL ON S.TRANSACTION_NO = SL.TRANSACTION_NO WHERE T.PARK_COUNTRY IN ('UK', 'FR') GROUP BY T.PARK_CODE, T.PARK_NAME;
```

| PARK_NAME    | TOTAL_SALES |
|--------------|-------------|
| FairyLand    | 401.86      |
| PleasureLand | 851.00      |

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

```
SELECT SALE_DATE,LINE_QTY,LINE_PRICE FROM SALES NATURAL JOIN SALES_LINE
WHERE SALE_DATE = '2007-05-18';
```

| SALE_DATE  | LINE_QTY | LINE_PRICE |
|------------|----------|------------|
| 2007-05-18 | 2        | 69.98      |
| 2007-05-18 | 1        | 14.99      |
| 2007-05-18 | 2        | 69.98      |
| 2007-05-18 | 2        | 41.98      |
| 2007-05-18 | 1        | 14.99      |
| 2007-05-18 | 1        | 14.99      |
| 2007-05-18 | 1        | 34.99      |
| 2007-05-18 | 4        | 139.96     |
| 2007-05-18 | 4        | 168.40     |
| 2007-05-18 | 1        | 22.50      |
| 2007-05-18 | 2        | 21.98      |
| 2007-05-18 | 2        | 84.20      |
| 2007-05-18 | 2        | 21.98      |
| 2007-05-18 | 2        | 84.20      |
| 2007-05-18 | 1        | 22.50      |
| 2007-05-18 | 2        | 21.98      |
| 2007-05-18 | 2        | 21.98      |
| 2007-05-18 | 2        | 84.20      |
| 2007-05-18 | 4        | 168.40     |
| 2007-05-18 | 1        | 22.50      |
| 2007-05-18 | 2        | 21.98      |
| 2007-05-18 | 2        | 84.20      |
| 2007-05-18 | 2        | 57.34      |
| 2007-05-18 | 2        | 37.12      |
| 2007-05-18 | 2        | 57.34      |
| 2007-05-18 | 2        | 37.12      |
| 2007-05-18 | 1        | 18.56      |
| 2007-05-18 | 1        | 12.12      |
| 2007-05-18 | 4        | 114.68     |
| 2007-05-18 | 2        | 57.34      |
| 2007-05-18 | 2        | 37.12      |

31 rows in set (0.001 sec)

```

345 Query      SELECT CURRENT_USER()
345 Query      SELECT 1 FROM (SELECT 'GRANTEE', 'IS_GRANTABLE' FROM 'INFORMATION_SCHEMA'. 'COLUMN_PRIVILEGES' UNION SELECT 'GR
ANTEE', 'IS_GRANTABLE' FROM 'INFORMATION_SCHEMA'. 'TABLE_PRIVILEGES' UNION SELECT 'GRANTEE', 'IS_GRANTABLE' FROM 'INFORMATION_SCHEMA'. 'SCHEMA_P
RIVILEGES' UNION SELECT 'GRANTEE', 'IS_GRANTABLE' FROM 'INFORMATION_SCHEMA'. 'USER_PRIVILEGES') t WHERE 'IS_GRANTABLE' = 'YES' AND '''root'@'
localhost''' LIKE 'GRANTEE' LIMIT 1
345 Query      SELECT 'PRIVILEGE_TYPE' FROM 'INFORMATION_SCHEMA'. 'USER_PRIVILEGES' WHERE GRANTEE= '''root'@'localhost''' AND
PRIVILEGE_TYPE='EVENT'
345 Query      SELECT 'PRIVILEGE_TYPE' FROM 'INFORMATION_SCHEMA'. 'USER_PRIVILEGES' WHERE GRANTEE= '''root'@'localhost''' AND
PRIVILEGE_TYPE='TRIGGER'
345 Quit
344 Quit
240305 23:29:51 346 Connect  root@localhost as anonymous on
346 Query      select @@version_comment limit 1
240305 23:31:47 346 Query      SELECT DATABASE()
346 Init DB    THEME_PARK
346 Query      show databases
346 Query      show tables
346 Field List  ATTRACTION
346 Field List  EMPLOYEE
346 Field List  HOURS
346 Field List  SALES
346 Field List  SALES_LINE
346 Field List  THEMEPARK
346 Field List  TICKET
240305 23:31:58 346 Query      SELECT AVG(HOUR_RATE) FROM HOURS
240305 23:32:27 346 Query      SELECT AVG(ATTRACT_AGE) FROM ATTRACTION WHERE PARK_CODE ='UK3452'
240305 23:32:42 346 Query      SELECT EMP_NUM,SUM(HOURS_PER_ATTRACT) AS TOTAL_HOUR FROM HOURS GROUP BY EMP_NUM
240305 23:32:57 346 Query      SELECT ATTRACT_NO,MIN(HOUR_RATE),MAX(HOUR_RATE) FROM HOURS GROUP BY ATTRACT_NO
240305 23:33:16 346 Query      SELECT EMP_NUM,ATTRACT_NO,AVG(HOURS_PER_ATTRACT) FROM HOURS GROUP BY EMP_NUM,ATTRACT_NO HAVING AVG(HOURS_PER_A
TTRACT) >= 5
240305 23:33:28 346 Query      SELECT * FROM HOURS CROSS JOIN EMPLOYEE
240305 23:33:46 346 Query      SELECT EMP_LNAME,EMP_FNAME,ATTRACT_NO,DATE_WORKED FROM HOURS NATURAL JOIN EMPLOYEE
240305 23:33:59 346 Query      SELECT EMP_LNAME,EMP_FNAME,HOURS.ATTRACT_NO,DATE_WORKED,ATTRACT_NAME FROM HOURS NATURAL JOIN EMPLOYEE JOIN ATT
RACTION ON HOURS.ATTRACT_NO = ATTRACTION.ATTRACT_NO
240305 23:34:11 346 Query      SELECT T.PARK_NAME, SUM( SL.LINE_PRICE) AS TOTAL_SALES FROM THEMEPARK T JOIN SALES S ON T.PARK_CODE = S.PARK
_CODE JOIN SALES_LINE SL ON S.TRANSACTION_NO = SL.TRANSACTION_NO WHERE T.PARK_COUNTRY IN ('UK', 'FR') GROUP BY T.PARK_CODE, T.PARK_NAME
240305 23:34:21 346 Query      SELECT SALE_DATE,LINE_QTY,LINE_PRICE FROM SALES NATURAL JOIN SALES_LINE WHERE SALE_DATE = '2007-05-18'

```