

LAB TASK # 3

SOLUTION TASK 3.1 :

```
MariaDB [THEMEPARK]> SELECT * FROM THEMEPARK;
```

PARK_CODE	PARK_NAME	PARK_CITY	PARK_COUNTRY
AU1001	MINILAND	AU	UK
FR1001	FairyLand	PARIS	FR
GR5001	ROBOLAND	GR	SP
NL1202	Efling	NOORD	NL
SP4533	AdventurePort	BARCELONA	SP
SW2323	Labyrinthe	LAUSANNE	SW
UK2622	MiniLand	WINDSOR	UK
UK3452	PleasureLand	STOKE	UK
ZA1342	GoldTown	JOHANNESBURG	ZA

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

```
MariaDB [THEMEPARK]> SELECT * FROM THEMEPARK  
-> WHERE PARK_COUNTRY = "UK";
```

PARK_CODE	PARK_NAME	PARK_CITY	PARK_COUNTRY
AU1001	MINILAND	AU	UK
UK2622	MiniLand	WINDSOR	UK
UK3452	PleasureLand	STOKE	UK

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

SOLUTION TASK # 3.2 :

```
MariaDB [THEMEPARK]> SELECT * FROM SALES
-> WHERE SALE_DATE = '2007-05-18';
```

TRANSACTION_NO	PARK_CODE	SALE_DATE
12781	FR1001	2007-05-18
12782	FR1001	2007-05-18
12783	FR1001	2007-05-18
12784	FR1001	2007-05-18
12785	FR1001	2007-05-18
12786	FR1001	2007-05-18
34534	UK3452	2007-05-18
34535	UK3452	2007-05-18
34536	UK3452	2007-05-18
34537	UK3452	2007-05-18
34538	UK3452	2007-05-18
34539	UK3452	2007-05-18
34540	UK3452	2007-05-18
34541	UK3452	2007-05-18
67589	ZA1342	2007-05-18
67590	ZA1342	2007-05-18
67591	ZA1342	2007-05-18
67592	ZA1342	2007-05-18
67593	ZA1342	2007-05-18

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

SOLUTION TASK # 3.3 :

```
ahmed@ahmed-Inspiron-N4050: ~
MariaDB [THEMEPARK]> SELECT * FROM TICKET;
```

TICKET_NO	TICKET_PRICE	TICKET_TYPE	PARK_CODE
11001	24.99	Adult	SP4533
11002	14.99	Child	SP4533
11003	10.99	Senior	SP4533
13001	18.99	Child	FR1001
13002	34.99	Adult	FR1001
13003	20.99	Senior	FR1001
67832	18.56	Child	ZA1342
67833	28.67	Adult	ZA1342
67855	12.12	Senior	ZA1342
88567	22.50	Child	UK3452
88568	42.10	Adult	UK3452
89720	10.99	Senior	UK3452

```
12 rows in set (0.001 sec)

MariaDB [THEMEPARK]> SELECT * FROM TICKET
-> WHERE TICKET_PRICE BETWEEN (20 AND 30);
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right synta
x to use near 'FROM TICKET
WHERE TICKET_PRICE BETWEEN (20 AND 30)' at line 1
MariaDB [THEMEPARK]> SELECT * FROM TICKET WHERE TICKET_PRICE BETWEEN 20 AND 30;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right synta
x to use near 'FROM TICKET WHERE TICKET_PRICE BETWEEN 20 AND 30' at line 1
MariaDB [THEMEPARK]>
MariaDB [THEMEPARK]> SELECT *
-> FROM TICKET
-> WHERE TICKET_PRICE BETWEEN 20 AND 30;
```

TICKET_NO	TICKET_PRICE	TICKET_TYPE	PARK_CODE
11001	24.99	Adult	SP4533
13003	20.99	Senior	FR1001
67833	28.67	Adult	ZA1342
88567	22.50	Child	UK3452

SOLUTION TASK #3.4 :

```
MariaDB [THEMEPARK]> SELECT * FROM ATTRACTION;
```

ATTRACT_NO	ATTRACT_NAME	ATTRACT_AGE	ATTRACT_CAPACITY	PARK_CODE
10034	ThunderCoaster	15	34	FR1001
10056	SpinningTeacups	4	62	FR1001
10067	FlightToStars	11	24	FR1001
10078	Ant-Trap	23	30	FR1001
10082	NULL	10	40	ZA1342
10098	Carnival	3	120	FR1001
20056	3D-Lego_Show	3	200	UK3452
30011	BlackHole2	12	34	UK3452
30012	Pirates	10	42	UK3452
30044	UnderSeaWord	4	80	UK3452
98764	GoldRush	5	80	ZA1342

11 rows in set (0.001 sec)

```
MariaDB [THEMEPARK]> SELECT * FROM ATTRACTION  
-> WHERE ATTRACT_CAPACITY > 60 AND PARK_CODE = "FR1001";
```

ATTRACT_NO	ATTRACT_NAME	ATTRACT_AGE	ATTRACT_CAPACITY	PARK_CODE
10056	SpinningTeacups	4	62	FR1001
10098	Carnival	3	120	FR1001

2 rows in set (0.001 sec)

SOLUTION TASK #3.5 :

```
Database changed  
MariaDB [THEMEPARK]> SELECT * FROM HOURS;
```

EMP_NUM	ATTRACT_NO	HOURS_PER_ATTRACT	HOURLY_RATE	DATE_WORKED
100	10034	6	6.50	2007-05-18
100	10034	6	6.50	2007-05-20
101	10034	6	6.50	2007-05-18
102	30012	3	5.99	2007-05-23
102	30044	6	5.99	2007-05-21
102	30044	3	5.99	2007-05-22
104	30011	6	7.20	2007-05-21
104	30012	6	7.20	2007-05-22
105	10078	3	8.50	2007-05-18
105	10098	3	8.50	2007-05-18
105	10098	6	8.50	2007-05-19

11 rows in set (0.001 sec)

```
MariaDB [THEMEPARK]> SELECT ATTRACT_NO , HOURLY_RATE , HOURLY_RATE + ROUND((HOURLY_RATE * 0.2),2) AS INCREASE  
-> FROM HOURS;
```

ATTRACT_NO	HOURLY_RATE	INCREASE
10034	6.50	7.80
10034	6.50	7.80
10034	6.50	7.80
30012	5.99	7.19
30044	5.99	7.19
30044	5.99	7.19
30011	7.20	8.64
30012	7.20	8.64
10078	8.50	10.20
10098	8.50	10.20
10098	8.50	10.20

11 rows in set (0.001 sec)

SOLUTION TASK # 3.6 :

```
ahmed@ahmed-Inspiron-N4050: ~  
Empty set (0.001 sec)  
MariaDB [THEMEPARK]> SELECT * FROM TICKET;  
+-----+-----+-----+-----+  
| TICKET_NO | TICKET_PRICE | TICKET_TYPE | PARK_CODE |  
+-----+-----+-----+-----+  
| 11001 | 24.99 | Adult | SP4533 |  
| 11002 | 14.99 | Child | SP4533 |  
| 11003 | 10.99 | Senior | SP4533 |  
| 13001 | 18.99 | Child | FR1001 |  
| 13002 | 34.99 | Adult | FR1001 |  
| 13003 | 20.99 | Senior | FR1001 |  
| 67832 | 18.56 | Child | ZA1342 |  
| 67833 | 28.67 | Adult | ZA1342 |  
| 67855 | 12.12 | Senior | ZA1342 |  
| 88567 | 22.50 | Child | UK3452 |  
| 88568 | 42.10 | Adult | UK3452 |  
| 89720 | 10.99 | Senior | UK3452 |  
+-----+-----+-----+-----+  
12 rows in set (0.000 sec)  
  
MariaDB [THEMEPARK]> SELECT * FROM TICKET WHERE TICKET_PRICE IN (42.99 , 10.99);  
+-----+-----+-----+-----+  
| TICKET_NO | TICKET_PRICE | TICKET_TYPE | PARK_CODE |  
+-----+-----+-----+-----+  
| 11003 | 10.99 | Senior | SP4533 |  
| 89720 | 10.99 | Senior | UK3452 |  
+-----+-----+-----+-----+  
2 rows in set (0.001 sec)  
  
MariaDB [THEMEPARK]> SELECT * FROM TICKET WHERE TICKET_PRICE IN (42.10 , 10.99);  
+-----+-----+-----+-----+  
| TICKET_NO | TICKET_PRICE | TICKET_TYPE | PARK_CODE |  
+-----+-----+-----+-----+  
| 11003 | 10.99 | Senior | SP4533 |  
| 88568 | 42.10 | Adult | UK3452 |  
| 89720 | 10.99 | Senior | UK3452 |  
+-----+-----+-----+-----+  
3 rows in set (0.001 sec)
```

SOLUTION TASK # 3.7 :

```
ahmed@ahmed-Inspiron-N4050: ~  
MariaDB [THEMEPARK]> SELECT * FROM HOURS;  
+-----+-----+-----+-----+-----+  
| EMP_NUM | ATTRACT_NO | HOURS_PER_ATTRACT | HOUR_RATE | DATE_WORKED |  
+-----+-----+-----+-----+-----+  
| 100 | 10034 | 6 | 6.50 | 2007-05-18 |  
| 100 | 10034 | 6 | 6.50 | 2007-05-20 |  
| 101 | 10034 | 6 | 6.50 | 2007-05-18 |  
| 102 | 30012 | 3 | 5.99 | 2007-05-23 |  
| 102 | 30044 | 6 | 5.99 | 2007-05-21 |  
| 102 | 30044 | 3 | 5.99 | 2007-05-22 |  
| 104 | 30011 | 6 | 7.20 | 2007-05-21 |  
| 104 | 30012 | 6 | 7.20 | 2007-05-22 |  
| 105 | 10078 | 3 | 8.50 | 2007-05-18 |  
| 105 | 10098 | 3 | 8.50 | 2007-05-18 |  
| 105 | 10098 | 6 | 8.50 | 2007-05-19 |  
+-----+-----+-----+-----+-----+  
11 rows in set (0.001 sec)  
  
MariaDB [THEMEPARK]> SELECT * FROM HOURS  
-> WHERE EMP_NUM != > 2;  
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'FROM HOURS WHERE EMP_NUM != > 2' at line 1  
MariaDB [THEMEPARK]> SELECT DISTINCT EMP_NUM;  
ERROR 1054 (42S22): Unknown column 'EMP_NUM' in 'field list'  
MariaDB [THEMEPARK]> SELECT DISTINCT EMP_NUM  
-> FROM HOURS;  
+-----+  
| EMP_NUM |  
+-----+  
| 100 |  
| 101 |  
| 102 |  
| 104 |  
| 105 |  
+-----+  
5 rows in set (0.000 sec)
```

SOLUTION TASK # 3.8 :

```
MariaDB [THEMEPARK]> SELECT * FROM SALES
-> ORDER BY SALE_DATE DESC;
```

TRANSACTION_NO	PARK_CODE	SALE_DATE
12781	FR1001	2007-05-18
67592	ZA1342	2007-05-18
67591	ZA1342	2007-05-18
67590	ZA1342	2007-05-18
67589	ZA1342	2007-05-18
34541	UK3452	2007-05-18
34540	UK3452	2007-05-18
34539	UK3452	2007-05-18
34538	UK3452	2007-05-18
34537	UK3452	2007-05-18
34536	UK3452	2007-05-18
34535	UK3452	2007-05-18
34534	UK3452	2007-05-18
12786	FR1001	2007-05-18
12785	FR1001	2007-05-18
12784	FR1001	2007-05-18
12783	FR1001	2007-05-18
12782	FR1001	2007-05-18
67593	ZA1342	2007-05-18

19 rows in set (0.001 sec)

SOLUTION TASK # 3.9 :

```
MariaDB [THEMEPARK]> SELECT TRANSACTION_NO , LINE_PRICE
-> FROM SALES_LINE
-> WHERE LINE_PRICE > 60;
```

TRANSACTION_NO	LINE_PRICE
12781	69.98
12782	69.98
12785	139.96
34534	168.40
34535	84.20
34537	84.20
34539	84.20
34540	168.40
34541	84.20
67592	114.68

10 rows in set (0.001 sec)

```
MariaDB [THEMEPARK]> █
```

