

## Chapter 8

TASK 8.1 : Write the query that tells us what day number it is from the current date.

```
mysql> SELECT DATE_FORMAT(CURDATE(), "%d-%M");
+-----+
| DATE_FORMAT(CURDATE(), "%d-%M") |
+-----+
| 24-March                          |
+-----+
1 row in set (0.00 sec)

mysql>
```

TASK 8.2 : Write the query that tells us the English day name of the current date.

```
mysql> SELECT DATE_FORMAT(CURDATE(), "%W-%D-%M")
-> ;
+-----+
| DATE_FORMAT(CURDATE(), "%W-%D-%M") |
+-----+
| Tuesday-24th-March                  |
+-----+
1 row in set (0.00 sec)

mysql>
```

TASK 8.3 : What is the current hour in the 24-hour format?

```
mysql> SELECT DATE_FORMAT(NOW(), "%T");
+-----+
| DATE_FORMAT(NOW(), "%T") |
+-----+
| 13:20:51                  |
+-----+
1 row in set (0.00 sec)

mysql>
```

TASK 8.4 : How many days age was "Berend van der Tol" deregistered

```
mysql> SELECT voorletters, tussenvoegsels, achternaam, DATEDIFF(NOW(), "uitgeschreven")
-> FROM student
-> WHERE studentnr = '4444';
+-----+-----+-----+-----+
| voorletters | tussenvoegsels | achternaam | DATEDIFF(NOW(), "uitgeschreven") |
+-----+-----+-----+-----+
| B          | van der        | Tol        | NULL                             |
+-----+-----+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql> SELECT voorletters, tussenvoegsels, achternaam, uitgeschreven, DATEDIFF(NOW(), "uitgeschreven")
-> FROM student
-> WHERE studentnr = '4444';
+-----+-----+-----+-----+-----+
| voorletters | tussenvoegsels | achternaam | uitgeschreven | DATEDIFF(NOW(), "uitgeschreven") |
+-----+-----+-----+-----+-----+
| B          | van der        | Tol        | 2015-09-06    | NULL                             |
+-----+-----+-----+-----+-----+
1 row in set, 1 warning (0.00 sec)

mysql> SELECT voorletters, tussenvoegsels, achternaam, uitgeschreven, DATEDIFF(NOW(), "2015-09-06")
-> FROM student
-> WHERE studentnr = '4444';
+-----+-----+-----+-----+-----+
| voorletters | tussenvoegsels | achternaam | uitgeschreven | DATEDIFF(NOW(), "2015-09-06") |
+-----+-----+-----+-----+-----+
| B          | van der        | Tol        | 2015-09-06    | 1661                            |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

TASK 8.5 : If we assume that “Berend van der Tol” was registered on August 1, 2015, how long was he registered?

```
mysql> SELECT voorletters, tussenvoegsels, achternaam, DATEDIFF("2015-09-06", "2015-08-01")
-> FROM student
-> WHERE studentnr = '4444';
+-----+-----+-----+-----+
| voorletters | tussenvoegsels | achternaam | DATEDIFF("2015-09-06", "2015-08-01") |
+-----+-----+-----+-----+
| B          | van der        | Tol        | 36 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

TASK 8.6 : How old is “Berend van der Tol”? (25 years old)

```
mysql> SELECT voorletters, tussenvoegsels, achternaam, geboortedatum, DATEDIFF(NOW(), "1994-04-03")
-> FROM student
-> WHERE studentnr = '4444';
+-----+-----+-----+-----+-----+
| voorletters | tussenvoegsels | achternaam | geboortedatum | DATEDIFF(NOW(), "1994-04-03") |
+-----+-----+-----+-----+-----+
| B          | van der        | Tol        | 1994-04-03     | 9487 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT voorletters, tussenvoegsels, achternaam, geboortedatum, DATEDIFF(NOW(), "1994-04-03"), FLOOR(9487)
-> FROM student
-> WHERE studentnr = '4444';
+-----+-----+-----+-----+-----+-----+
| voorletters | tussenvoegsels | achternaam | geboortedatum | DATEDIFF(NOW(), "1994-04-03") | FLOOR(9487) |
+-----+-----+-----+-----+-----+-----+
| B          | van der        | Tol        | 1994-04-03     | 9487 | 9487 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)

mysql> SELECT voorletters, tussenvoegsels, achternaam, geboortedatum, DATEDIFF(NOW(), "1994-04-03"), FLOOR(9487/365.25)
-> FROM student
-> WHERE studentnr = '4444';
+-----+-----+-----+-----+-----+-----+
| voorletters | tussenvoegsels | achternaam | geboortedatum | DATEDIFF(NOW(), "1994-04-03") | FLOOR(9487/365.25) |
+-----+-----+-----+-----+-----+-----+
| B          | van der        | Tol        | 1994-04-03     | 9487 | 25 |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

### TASK 8.7 : Which students are 24 years or older?

```
mysql> SELECT voorletters, tussenvoegsels, achternaam, geboortedatum, DATEDIFF(CURDATE(),STR_TO_DATE(geboortedatum, "%Y-%m-%d")) AS "days", FLOOR(DATEDIFF(CURDATE(),geboortedatum) / 365.25) as "age"
-> from student;
```

voorletters	tussenvoegsels	achternaam	geboortedatum	days	age
P		Pietersen	1995-02-20	9164	25
J		Simonsen	1995-04-10	9115	24
A	van	Zetten	1995-12-02	8879	24
J		Jansen	1995-11-20	8891	24
A	de	Groot	1995-10-03	8939	24
W		Willemsen	1995-10-02	8940	24
B	van der	Tol	1994-04-03	9487	25
C	de	Bruin	1996-05-05	8724	23
A	de	Hoed	1998-06-06	7962	21

9 rows in set (0.00 sec)

```
mysql>
```