

Úvod do jazyka SQL

Hodina č. 2

<http://sql-2.jdem.cz>

```
SELECT *  
FROM books
```

```
SELECT title, year  
FROM books
```

```
SELECT title AS nazev  
FROM books
```

```
SELECT
```

```
publischer AS nakladatel
```

```
FROM books
```



SQLite Manager Alert

SQLiteManager: Likely SQL syntax error: SELECT
publischer AS nakladadel FROM book [no such column:

publischer]

Exception name: NS_ERROR_FAILURE

Exception Message: Component returned failure code:
0x80004005 (NS_ERROR_FAILURE)

[mozIStorageConnection.createStatement]

OK

VERZI BEZ "AS" NEDOPORUČUJI

```
SELECT title nazev  
FROM books
```


MŮŽE BÝT MATOUCÍ

```
SELECT title nazev, year  
FROM books
```

```
SELECT *  
FROM books  
WHERE ...
```

```
SELECT *  
FROM books  
WHERE sloupec = hodnota
```

```
SELECT *  
FROM books  
WHERE sloupec = hodnota
```

vs.

```
WHERE sloupec = "hodnota"
```

```
SELECT *  
FROM books  
WHERE sloupec < hodnota
```

```
SELECT *  
FROM books  
WHERE sloupec > hodnota
```

Menší/větší nebo rovno

```
SELECT *  
FROM books  
WHERE sloupec >= hodnota
```



```
SELECT *  
FROM books  
WHERE sloupec <= hodnota
```

=>, =< není validní

```
SQLiteManager: Likely SQL syntax error: SELECT  
publisher AS nakladatel, year AS rok FROM books  
WHERE year => 1950 [ near ">": syntax error ]  
Exception Name: NS_ERROR_FAILURE
```

```
SELECT *  
FROM books  
WHERE sloupec1 = hodnota1  
AND sloupec2 = hodnota2
```

```
SELECT *  
FROM books  
WHERE sloupec1 = hodnota1  
OR sloupec2 = hodnota2
```

krát má přednost před plus

$$4 + 3 \times 5 =$$

AND má přednost před OR

p1 OR p2 AND p3

DOPORUČENÍ:
pokud kombinujete OR a AND,
závorkujte VŽDY

```
SELECT *  
FROM books  
WHERE  
sloupec1 = hodnota1 AND sloupec2 = hodnota2 OR  
sloupec3 = hodnota3
```



```
SELECT *  
FROM books  
WHERE  
(sloupec1 = hodnota1 AND sloupec2 = hodnota2) OR  
sloupec3 = hodnota3
```

```
SELECT title, year  
FROM books  
LIMIT 10
```

```
SELECT title, year  
FROM books  
ORDER BY ...
```

```
SELECT title, year  
FROM books  
ORDER BY . . . ASC/DESC
```

Úkoly na procvičení v ISu