

# 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.js**



Uncaught Error: no such column:  
publischer

---

---

```
SELECT title nazev  
FROM books
```

**Funguje jako "AS", ale nedoporučuju**



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

**Nemusí být jasné, co jste vlastně mysleli**

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

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

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

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

vs.

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

```
SELECT *  
FROM books  
WHERE sloupec = 1984
```

```
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
```



**SQLite.js**



Uncaught Error: near ">": syntax error

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

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

Vypište knihy, které byly vydány v roce 2000 na Slovensku nebo Chorvatsku

```
SELECT * FROM 'books'  
WHERE year = 2000  
AND (country = "Slovenia" OR country = "Croatia")
```

Vypište knihy, které byly vydány v roce  
2000 nebo 1999 na Slovensku

```
SELECT * FROM 'books'  
WHERE (year = 2000 OR year = 1999)  
AND country = "Slovenia"
```



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

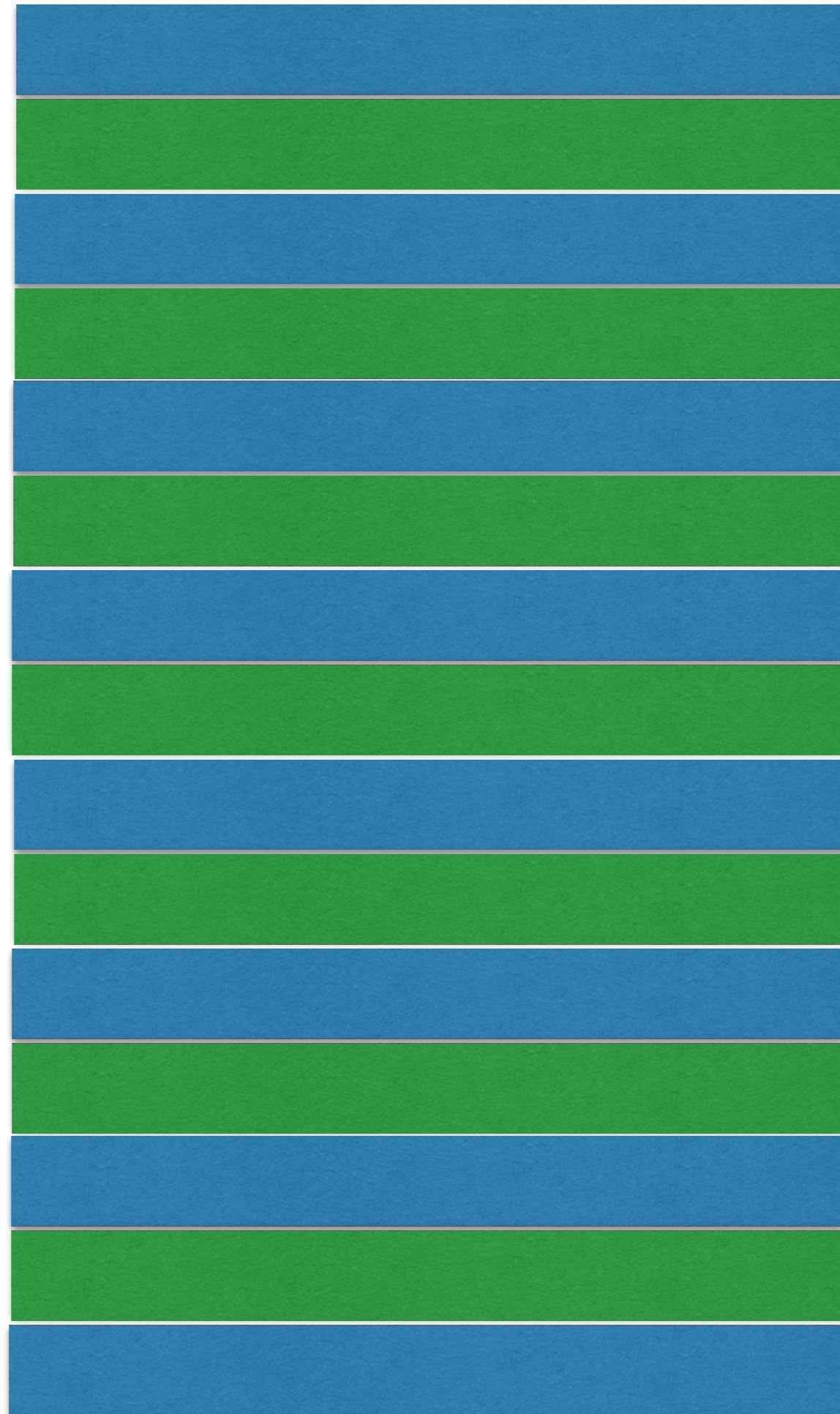
```
SELECT *  
FROM books  
WHERE  
(sloupec1 = hodnota1 AND sloupec2 = hodnota2) OR  
sloupec3 = hodnota3
```

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

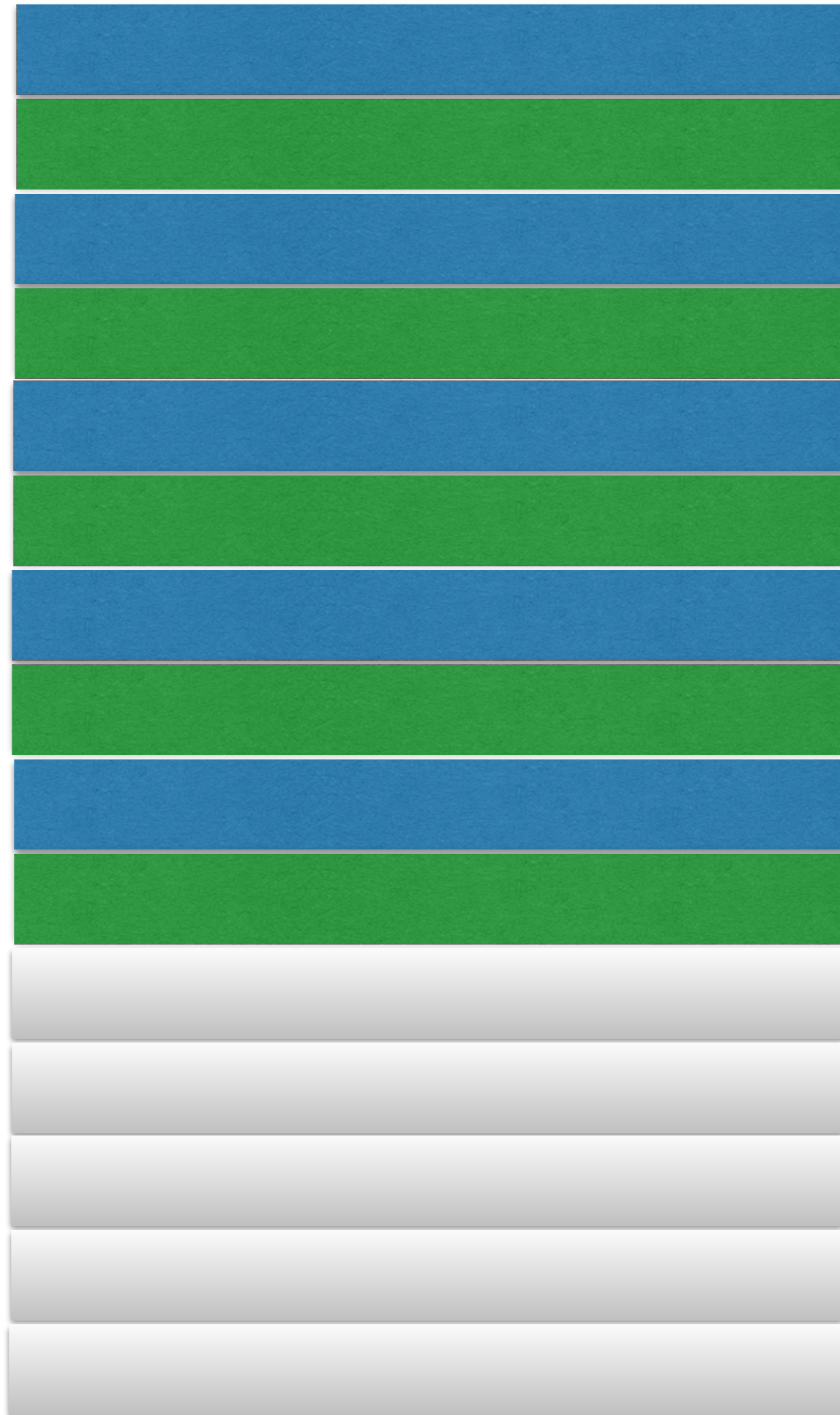
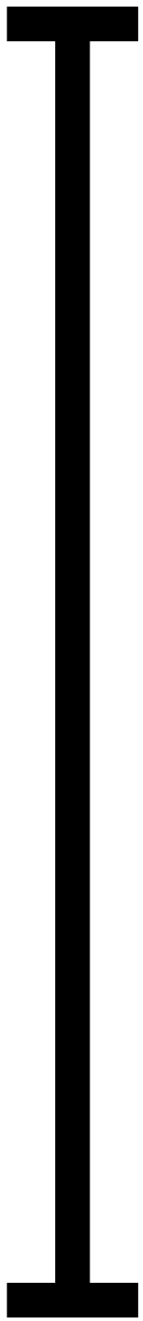
**Když ve WHERE kombinujete AND a OR,  
vždy používejte závorky!**

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

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



LIMIT





LIMIT

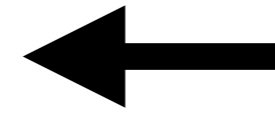


OFFSET 0

OFFSET 1

OFFSET 2

OFFSET 3



OFFSET

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

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

```
SELECT title, year  
FROM books  
ORDER BY a, b, c
```

```
SELECT title AS t, year
FROM books
WHERE ...
ORDER BY ... ASC/DESC
LIMIT ..
OFFSET ..
```

Pozor: v původní verzi slajdů zde byla chyba - ORDER BY byl až za OFFSET, což je syntaktická chyba

# **Úkoly na procvičení v ISu**