

Basic Searching

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Basics and CRUD

C reate
R ead
U pdate
D elete

Intro

Overview

Practicals

select

partial data

ordering



Reading from our Database

- ▶ Reading all data



Reading from our Database

- ▶ Reading all data
- ▶ Searching for partial data

Reading from our Database

- ▶ Reading all data
- ▶ Searching for partial data
- ▶ Ordering what we've found

`select`

We use the `select` verb

This takes the columns we want, the table an optional search term

```
select * from mytable  
select id from mytable  
select * from mytable where forename = 'Eli'
```


Quite often we want to search for data which matches a certain pattern

Perhaps we want to find email addresses on a certain domain

Perhaps we're looking for mobile phone numbers

We use the verb `like` to do this

```
select * from mytable where emailaddr like  
"%hotmail.com"
```

```
select * from mytable where emailaddr like "%hotmail.%"
```

```
select * from mytable where name like "E%"
```

We can order two ways:

- ▶ asc - ascending

We can order two ways:

- ▶ asc - ascending
- ▶ desc - descending

We can order two ways:

- ▶ asc - ascending
- ▶ desc - descending
- ▶ We can also limit the data coming back

```
select * from users order by forename asc  
select * from users order by forename asc limit 10
```