

Databases

4. Forms

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Outline

What is a database

purpose, design, data types

Create database

software, import data

Query

get data, join tables, SQL language

Interface

connect to database from other program

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Goals

After this three-day module, you should:

1. **Understand** what a database is, and how it works
2. Be able to **create** a simple database
3. Be able to **get data** from any database

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Database form

What is a database form?

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A form is a graphical interface that is connected to an underlying table (to **add/change data**) or a query (to **view data**)

It provides a **user-friendly** way to interact with a database

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A form consists of **controls**, the two most basic ones being:

- Label (static information for the user)
- Text box (table cell)

Example

Let's create a form
to enter fishing gears

Enter a new fishing gear

1. We can **type directly** into the table

	GEAR	ICELANDIC	ENGLISH
	2	Net	Gill net
	5	Dragnót 135 mm	Danish seine
	6	Botnvarpa	Bottom trawl
			

Enter a new fishing gear

1. We can **type directly** into the table

	GEAR	ICELANDIC	ENGLISH
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2. We can also use an **insert query** to add data

Enter a new fishing gear

1. We can **type directly** into the table

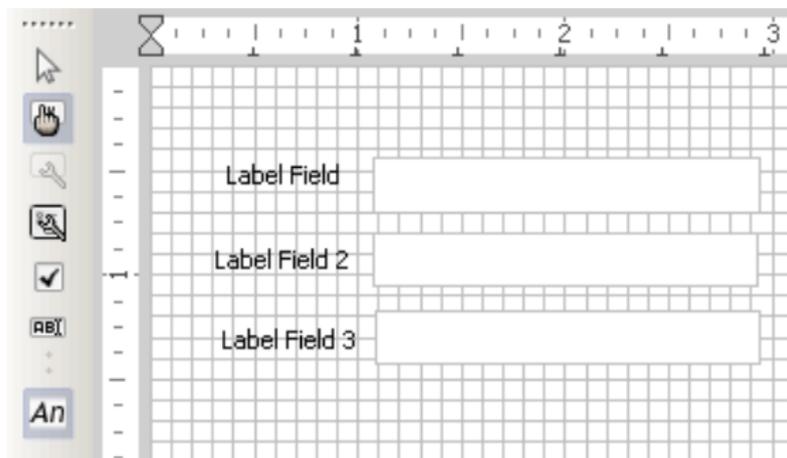
	GEAR	ICELANDIC	ENGLISH
	2	Net	Gill net
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2. We can also use an **insert query** to add data
3. But sometimes a **form** is the best way

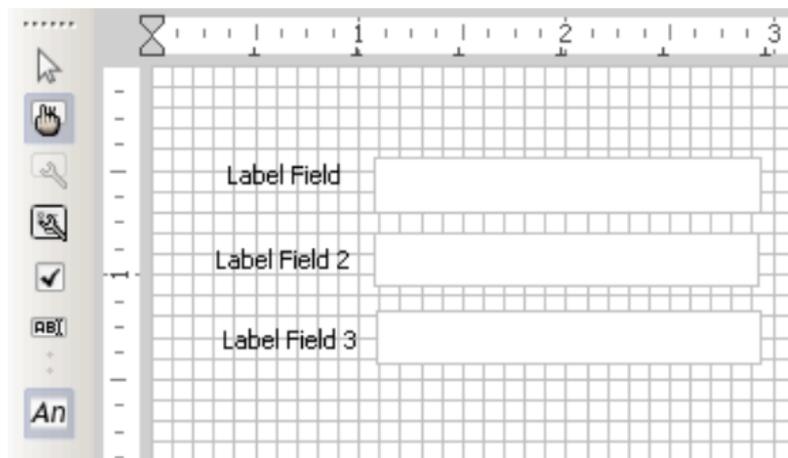
Create form

- Database – Forms
- Create form in design view
- Text box (left side of the screen)
 Draw 3 rectangles on the form
- Label field (left side of the screen)
 Draw 3 rectangles on the form

Create form

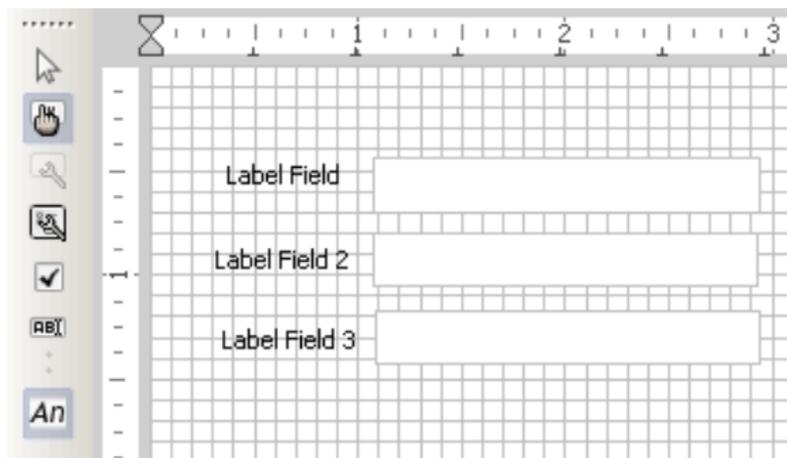


Create form



And for the **artistic** touch...

Create form



And for the **artistic** touch...

Format – Page – Background – Color: some light color

Create form

- Form (left side of the screen)
Data – Content: **GEARS**
- Double click each text box
Control – Data field: **GEAR / ICELANDIC / ENGLISH**
- File – Save: **Enter Gears**
Window – Close window
- Open form, click the arrows (near the bottom of the screen)
Window – Close window

Create form

- Database – Forms – Enter Gears

Right click – Edit

- Double click each label

General – Label: Gear / Icelandic / English

- File – Save

Window – Close window

- Open form, click the last arrow

Enter a new fishing gear