

# Databases

## 4. Forms

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18–20 Nov 2014

# 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 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

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
	2	Net	Gill net
	5	Dragnót 135 mm	Danish seine
	6	Botnvarpa	Bottow trawl
			

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

# Enter a new fishing gear

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

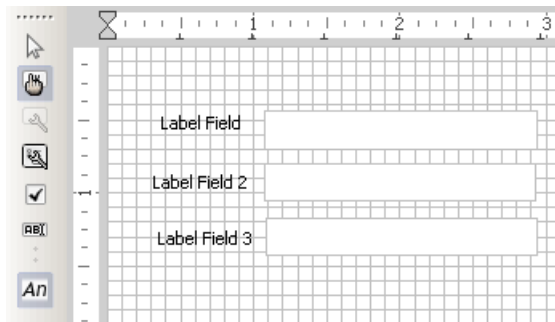
	GEAR	ICELANDIC	ENGLISH
	2	Net	Gill net
	5	Dragnót 135 mm	Danish seine
	6	Botnvarpa	Bottom trawl
			

2. We can also use an **insert query** to add data
3. But sometimes a **form** is the best way

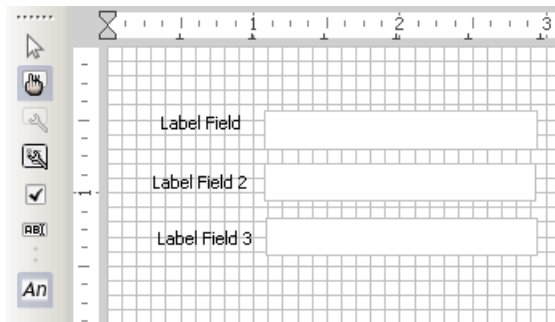
# Create form

- 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

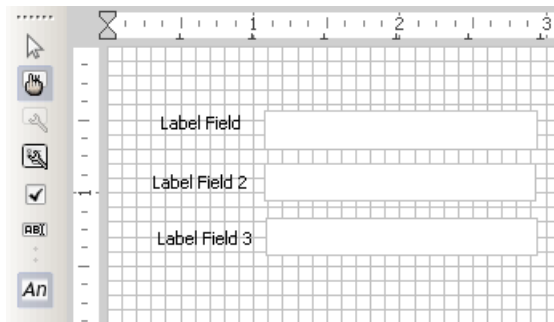


# Create form



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