

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**)

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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

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

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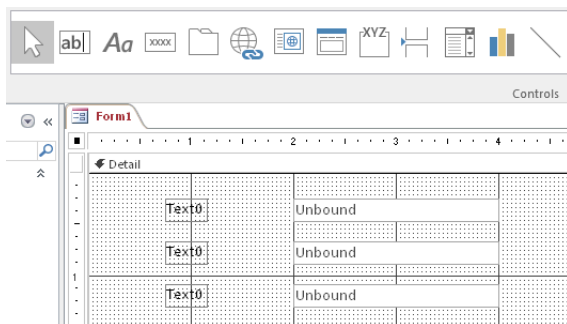
2. We can also use an insert query to add data
3. But sometimes a form is the best way

Create form

- Create – Form design
- Text box (left side of the screen)
 - Draw 3 text boxes on the form

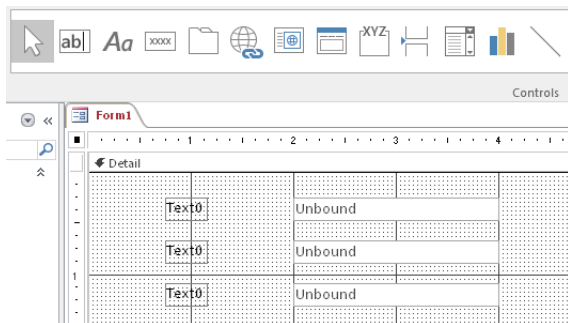
Create form

Set the Label font as black



Create form

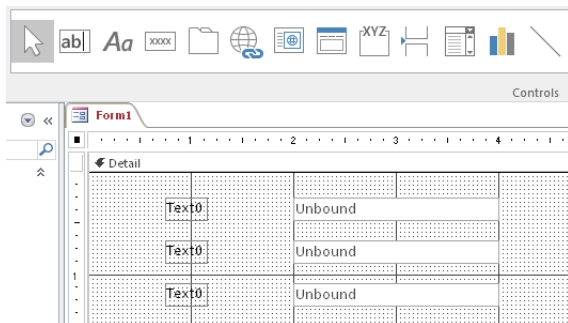
Set the Label font as black



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

Create form

Set the Label font as black



And for the artistic touch...

Right-click and select a light background color

Create form

- Form (left side of the screen)

Data – Record source: **Gears**

- Select each text box

Control source: **GEAR** / **ICELANDIC** / **ENGLISH**

GEAR text align: Left

- Select each label: Gear/Icelandic/English

- View, click arrows (near the bottom of the screen)

Enter a new fishing gear