

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

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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 |
| * | | |

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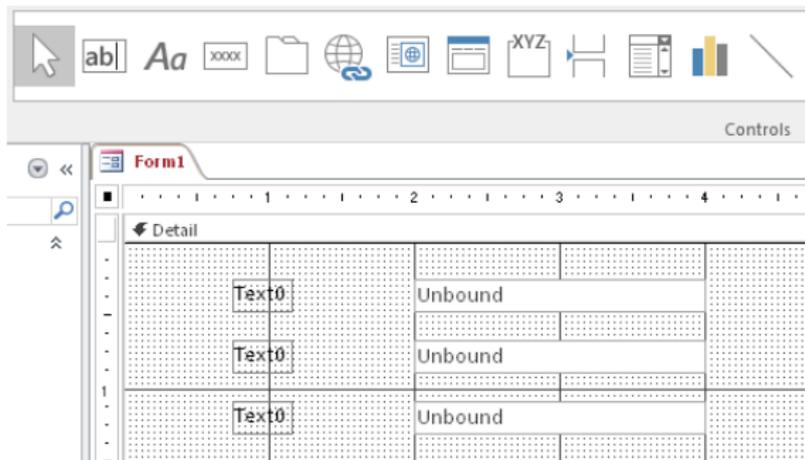
2. We can also use an **insert query** to add data
3. But sometimes a **form** is the best way

Create form

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

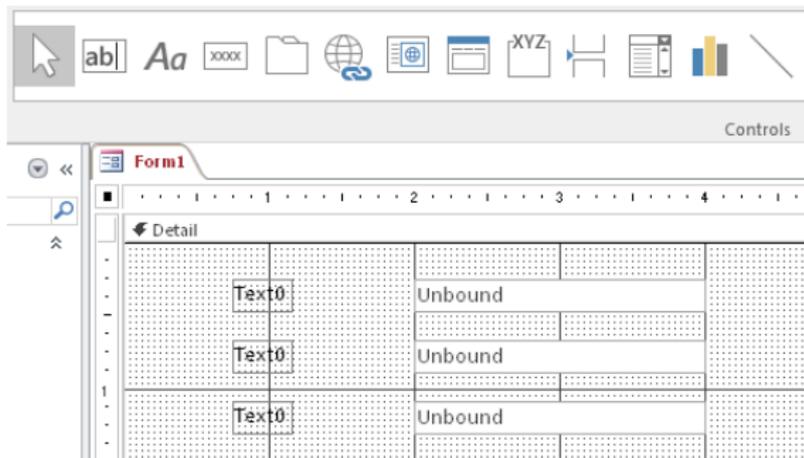
Create form

Set the Label font as black



Create form

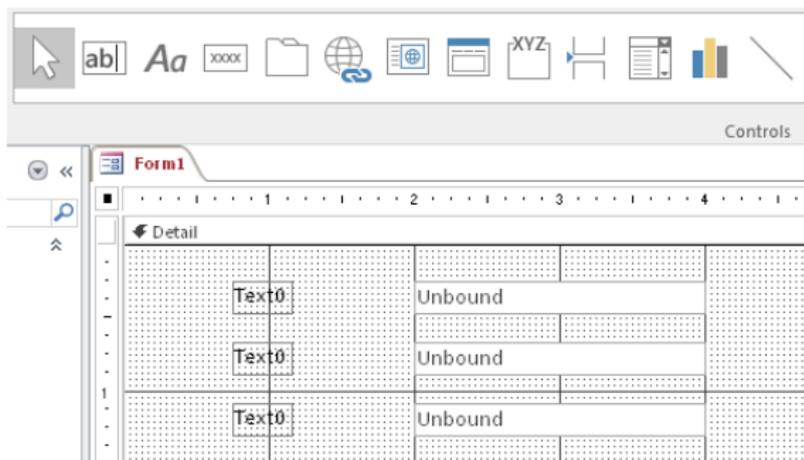
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And for the **artistic** touch...

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