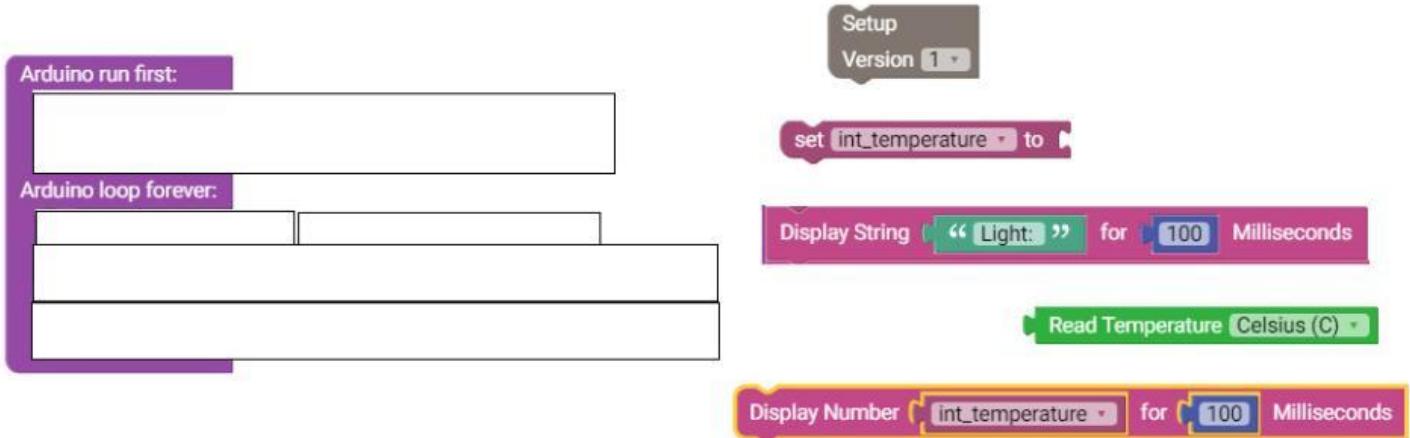


Noor is learning about using computational tools to collect data.

1. Create a block-based program to measure the temperature using a microcontroller, LED grid and temperature sensor component, then execute the program.

The program will:

- store the temperature value in a variable
- output the temperature value using the LED grid



The image shows a Scratch script for an Arduino program. The script is divided into two main sections: 'Arduino run first:' and 'Arduino loop forever:'. The 'Arduino run first:' section contains a single empty script. The 'Arduino loop forever:' section contains the following blocks:

- Setup block: Version 1
- set int_temperature to [0 v]
- Display String block: "Light: " for 100 Milliseconds
- Read Temperature Celsius (C) block
- Display Number block: int_temperature for 100 Milliseconds

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