Assignment 1

Welcome, 0 or 1 → Initiate Scanner
↓

while true → loop until valid input, and prompt user for valid input.

in Main

Goodbye if 0.

Prompt for Coil / Diameter / Turns.

Method to Check Valid Inputs

check for:
- boundaries
- data type (int vs. char, etc.)
  ↳ VALID INPUT
- for N → pos int in boundaries

give error messages for all corresponding checks.

⇊

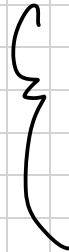**Method to Calculate Weight.**

Using Valid input checks, perform Calculation and use gravity constant.

⇊

Method to gather Values and output result

Use Scanner to get values, set boundaries.
↳ get weight from calculation method, truncate value and output to user.

in Main → once this method prints value, print Goodbye Message.