# Pounds to Kilograms

**OBJECTIVE:** Create a program that asks a user for their weight (in pounds) and converts it to kilograms.

- Prompt the user for their weight. Store the value in a variable, *pounds*.
- Convert the user's weight to kilograms by **dividing it by 2.21**. Store the result in a variable, *kilograms*.
- Output the user's weight in kilograms by displaying the variable, *kilograms*.

```
Enter weight in pounds:
100
Weight in kilograms: 45.248868778280546
```

**GRADING:** (20 points total)

| Points | Objective |
| --- | --- |
| 1 | Empty shell – Program compiles and runs without any errors. |
| 2 | No variables are used. Everything is outputted as a string literal. |
| 10 | User is **_not_** prompted for their weight, instead, variable, *pounds*, is declared and initialized with a set starting weight. The conversion of pounds to kilograms is computed without the program and initialized in variable, *kilograms*. Variable, *kilograms,* is outputted to the screen. |
| 15 | User is **_not_** prompted for their weight, instead, variable, *pounds*, is declared and initialized with a set starting weight. The value in pounds is converted (by the program) to kilograms and the value is stored in variable, *kilograms*. Variable, *kilograms*, is outputted. |
| 20 | User is prompted for their weight. The value is stored in variable, *pounds.* The value in *pounds* is converted (by the program) to kilograms and the value is stored in variable, *kilograms*. Variable, *kilograms*, is outputted as shown above. |