visual programming

Validation

Simulation

Bachelor of Information Systems
Institut Teknologi Del

Learning Objective(s)

This material should address the following question(s).

- How to do validation?

Discussion Point

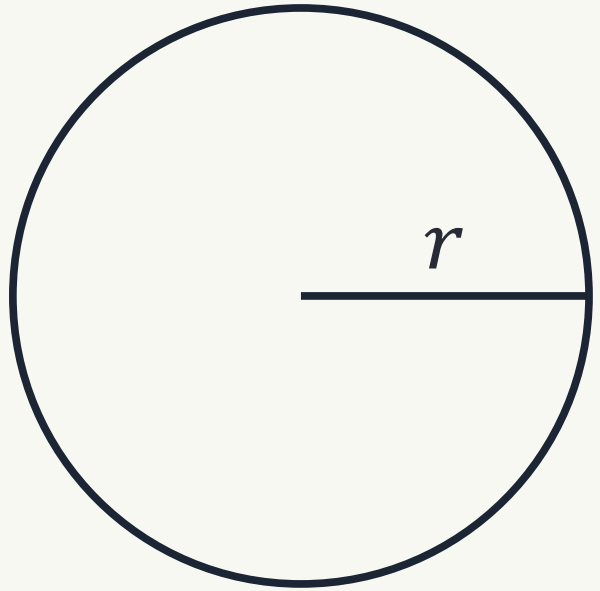
Validation:
A Simulation.

Problem

- To calculate the circumference of a circle, we use formula:

$$C = 2\pi r$$

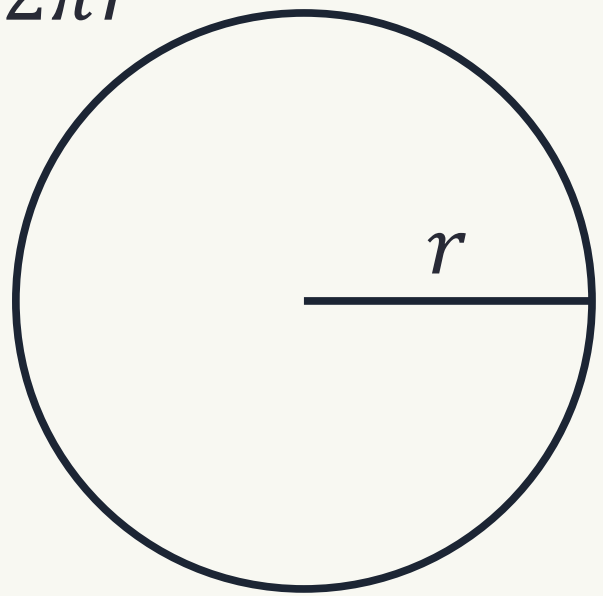
  - π is a constant, `3.14`
  - r is the circle radius.
  - C is the circumference.



Problem

- Calculating a **circle's circumference**.
- The user should be able to enter the circle's radius.
- The solution then calculate the circumference.
- Lastly, the solution display the calculated circumference.

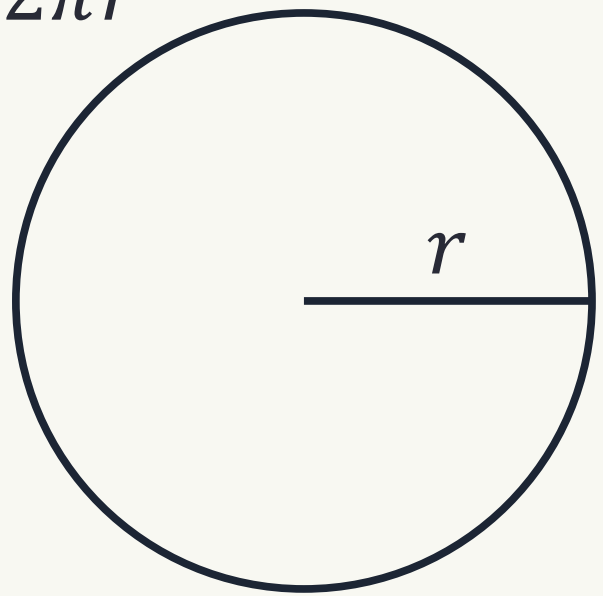
$$C = 2\pi r$$



Problem

- What if, the user enters an invalid value, $r \leq 0$.
  - `0`, `-5`, `-10`?

$$C = 2\pi r$$



Problem

User input **cannot** be trusted.

How to prevent such things?

– E O F –

Course Lecturer

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