0. Revision

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Exercises

- Write a program that writes if a number given in its argument is divisible by 3
- Write a function that returns a boolean value whether a number given in argument is divisible both by 5 and 7
- Write a function that reads a file and adds an interpolated value between each two values

Advanced Exercises

- Write a function that reads a file and adds an interpolated value between each two values, but interpolates better than linearly
- ② Create a class for representing numbers in modular arithmetic (if the modulo is 7, then 1+1=2, but 4+4=7+1=1) that support addition, subtraction, multiplication, division and square root, returning a vector of results if more results are possible, allowing to assign this vector into it, keeping the first value

Exercises #2

- Write a circle struct that contains three member numbers radius, x, y that are set to 1, 0, 0 respectively when instantiated
- Write a rectangle struct that contains four members sizeX, sizeY, x, y and modify the circle so that it has an boundingRectangle method that returns a rectangle class
- Oreate an ellipse class that contains three member numbers axisX, axisY, x, y that are set to 1, 1, 0, 0 respectively when instantiated and has a boundingRectangle method

Homework

• No homework yet