

## Exercises for Lab 2

Inside your `Workspace\AP2` folder create a new folder named `Lab2`.

### 2A. (*If- and while-statements*)

Write a function `render`, with parameters `i` and `b`, that returns a string in which the integer `i` is rendered in signed base-`b` notation. Assume that `b` is in the range `2...10`, but `i` may be any positive, zero, or negative integer.

For example, `render(29, 2)` should return `'+11101'`, `render(29, 8)` should return `'+35'`, and `render(-29, 8)` should return `'-35'`.

Write a main program that repeatedly reads a base and an integer then prints the rendering, terminating when the base is 0. Here is a sample session (with inputs shown in **bold**):

```
Base? 2
Integer? 29
Rendering is +11101
Base? 8
Integer? 29
Rendering is +35
Base? 8
Integer? -29
Rendering is -35
Base? 0
Program terminated.
```

*Submit* a copy of your Python code by e-mail to your tutor.