

Exercise 4: Digitizing the Physical World

The LiFi-project

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Overview

In the fourth exercise of the LiFi-project ...

Here are the relevant sections of the online script. Make sure you read everything carefully in order to solve this exercise:

- [11 - Sensing Light](#)
- [12 - The Color Sensor](#)
- [13 - Digitization](#)

Your Tasks

To pass this exercise, you must complete the following tasks and demonstrate the result in the examination interview.

1. **Colors by Menu**
 2. **Hexadecimal Conversion**
 3. **SOS with Morse Code**
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More Exercises to Practice

The following tasks are for you to practice your skills. They are optional and not part of the submission or interview.

4. Random Color Sequence (optional)

5. Traffic Light (optional)

More Questions to Practice

Try to answer the following questions to practice your understanding of the topics around the LiFi-project.

6. Code Systems

- ...

Submission and Interview

For this exercise, please submit your working Python code via the designated submission folder in [ILIAS](#).