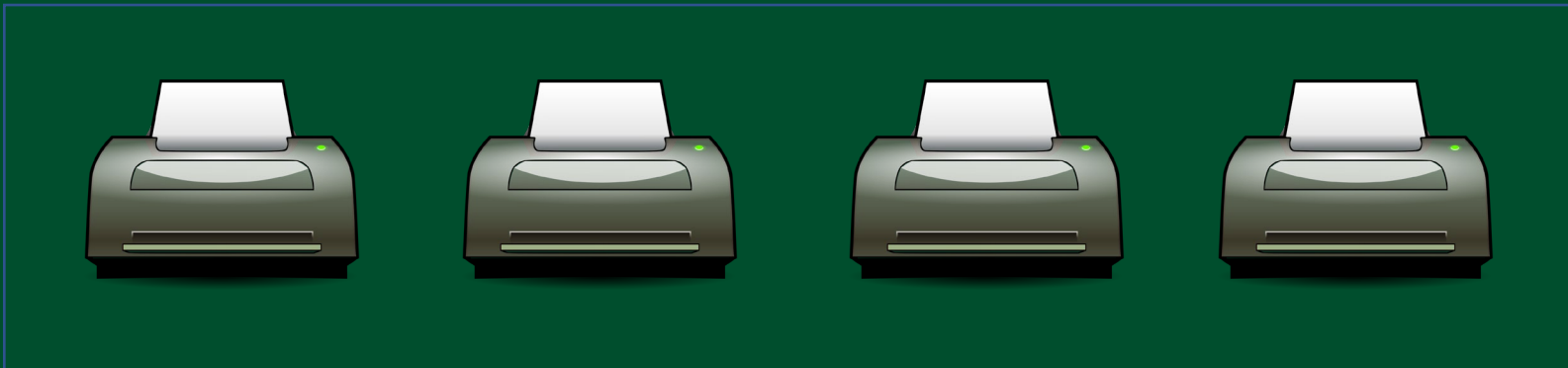


Exercise 1: Interfaces

- Consider a service for concurrently sharing a set of printers from a pool for several users (all printers are equal). Define an appropriate interface (for instance using Python-like oder C-like pseudocode) for such a service so that the openness requirements are satisfied.
- Assume that the channel is secure.



Exercise 2: Transparency

- Consider a system with the following requirements: a supercomputing cluster offers high-performance computing services to a scientific organization. This organization (and the cluster, too) is geographically distributed across different countries in several continents.
- The system must be capable of running batch computing jobs sent by its clients and reporting the results (output files).
- List what types of transparencies are desirable and which not. Explain the reasons behind your choices.

Access	Location	Migration	Replication	Relocation	Concurrency	Fault

Exercise 3: Pervasive systems

- Take a look at your environment. Make a list of all pervasive computing systems you have interacted with in the last month.
- For each system, try to infer what devices are involved and which data might be used as input to the system.

