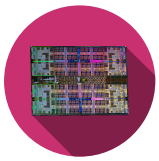

Implementation

Exercises Computer Architecture

1 Implementation

1.1 What is the main difference between a hard and a soft real-time system?

- ☐ in a hard-real-time system all deadlines must be met while in a soft-real time system occasionally some deadlines may be missed.
- ☐ in a soft-real-time system all deadlines must be met while in a hard-real time system occasionally some deadlines may be missed.

imp/implementation-01

1.2 What is an embedded system?

- ☐ Every computing system is an embedded system
- ☐ A computing system with a dedicated function, often with rea-time constraints, is an embedded system
- ☐ A general purpose computer with less than 1GB of RAM is an embedded system
- ☐ A system which has an ARM processor is an embedded system

imp/implementation-02

1.3 Faster execution time means less energy.

- ☐ True
- ☐ False

imp/implementation-03

1.4 Why are more and more SOC being developed insteead of CPU's?

- ☐ restricted availability of energy
- ☐ speed up often used functions
- ☐ both of the above

imp/implementation-04