

*Exercise 3*

# Technology Basics II

**Mobile Business I (WS 2025/26)**

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**QA Session:  
10.02.2026 (14:00-16:00)**

Please send us ([mob1@m-chair.de](mailto:mob1@m-chair.de)) your questions in this  
period:

27.01.2025 (08:00) - 03.02.2023 (23:00)

- Exercise 1: L08 – Smartcards and Related Application Infrastructures
- Exercise 2: L09 – Mobile Devices
- Exercise 3: L10 – Concepts of Mobile OSs

a) What is a smartcard?

b) What are smartcards being used for?

- Exercise 1: L08 – Smartcards and Related Application Infrastructures
- Exercise 2: L09 – Mobile Devices
- Exercise 3: L10 – Concepts of Mobile OSs

a) What are Personal Area Networks (PANs)?

**Bonus:** Can you think of newer PAN protocols or standards?

- b) How has the evolution of mobile devices been when it comes to device capabilities?

- Exercise 1: L08 – Smartcards and Related Application Infrastructures
- Exercise 2: L09 – Mobile Devices
- Exercise 3: L10 – Concepts of Mobile OSs

What is an operating system (OS)?

b) Describe the advantages of multi-programming.

c) Describe the following scheduling algorithms:

- First Come, First Serve
- Shortest Job First
- Priority Scheduling
- Round Robin Scheduling

- This set of slides is based upon the following lectures:
  - *Lecture 8:* Smartcards and Related Application Infrastructures
  - *Lecture 9:* Mobile Devices
  - *Lecture 10:* Concepts of Mobile OSs

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