

Exercise Sheet 1 I: Security

Exercise 1

- a. Contrast authentication and authorization.
- b. Briefly explain the purpose of audit trails.
- c. Why are so-called flow controls useful and what are they doing?

Exercise 2

- a. Briefly explain discretionary, mandatory, and role-based access control. Please also mention their advantages and disadvantages.
- b. Considering a large company: Would they prefer role-based access control or discretionary access control? Please explain your answer!