Advanced Topics in Databases
Exercise 5

Task 1 What is the Internet of Things? What different Things exist and how do they differ?

Task 2 What is the SMACK stack? What is the purpose of the different components and how are they linked?

Task 3 Why is a Fast Data architecture using the SMACK stack suitable for managing Industrial things?

Task 4 Which of the following use cases are (un-)suitable for the SMACK stack:
  • Managing of Bank accounts
  • Fraud detection for credit cards
  • Processing of sensor data
  • Median calculation

Explain your decision!

Task 5 Why is protein identification better than reconstructing the peptide?

Task 6 Why is Protein identification suitable for Cassandra?

Task 7 How can Protein identification adapted for the SMACK stack?

Good Luck!