Exercise 9: Optimization 2

Task 1: Histograms
What is the purpose of histograms? Discuss the differences between equi-width and equi-depth histograms! Which is usually used in relational DBMS? How can you use histograms to estimate selectivities?

Task 2: Pipelining
Explain how Pipelining works and discuss advantages and disadvantages!

Task 3: Optimization
Sketch the structure of a database optimizer! Explain the different phases of optimization!