Exam Data Mining 2016

1. (35 points) Exercise on frequent itemset: A few **closed itemsset** were given with its support. He asked for all itemsets and to point out the maximal itemsets
    a. example {AF} = 50, {FG} = 100, {ABC} = xxx, {ABCD} = xxxx and more (this is just an example and representative for the exam exercise.
2. (50 points) Find all frequent itemsets with the (basic) apriori algorithm. (candidates, join, prune) ; Very easy end doable for everyone! and it was on ¼ of total point!!!
3. Make a sequential database and he asked the support of 2 subsequences (<c>, <(AE)(CD)> (easy)
4. Make a <e> projected database with prefixspan (very easy and simple)
5. 5 problems were give and you had to give which approach wou you use (scoring classifier (ex. logistic regression), clustering, recommend system, decision tree, rule mining)
6. Drawn 2 clusters around a bunch of points that were given, one with the Cure approach and the other.