A. Running the following algorithms in Python (using given Python code and dataset):

~~1. Linear regression~~

~~2. Logistic regression~~

~~3. Decision trees~~

~~4. Random forest~~

5. Naive bayes

6. SVM

B. ~~Try running a different dataset with the aforementioned algorithms and understanding why some algorithms perform better than others.~~

C. Which is a better ASM, Entropy or Gini index, and why? Why do they sometime give the same output for a dataset?

D. Learning different variants of the aforementioned algorithms.

E. What is a kernel function?