Practical List - Zujo Data Science

Problem – 1 : Implement python scripts for following solution from given xmls.
1. convert all xmls to csv files and file header is **frame, id, xtl, ytl, xbr, ybr, label, complexity.**
2. filter csv files where complexity is less then 0.5.
3. filter csv files where each frame have below conditions in complexity
i. all of them should contain complexity less then 0.5
ii. if any frame contains both 0.5 and 0.25 then consider both records and dont remove 0.5 complexity records in this case.
4. find unique labels and count no of those each label and make dataframe which have hader like csvfile_name,label1,label2.... with data of file names and counts of each labels.

Problem – 2 : Implement Recommendation System for Laptops Info dataset. Here when you select one laptop then Recommendation System want to Recommend 10 laptop releted to selected laptop.
Note: Take laptop_name for unique identity of laptop
(Dataset link:https://www.kaggle.com/ghadahalshehrei/laptops-info)

Problem – 3 : Implement image captioning using Deep neural network for Fashion Product Images (Small) dataset.
Note: take product Display Name as captioning)
(Dataset link: https://www.kaggle.com/paramaggarwal/fashion-product-images-small)