Introduction to Machine Learning Assignment

The following assignment has two questions independent of each other. Please familiarize yourself with scikit-learn, Git, GitHub, and class notes before attempting the assignment. Part 2 of the assignment already has resources and theory required for SVMs but feel free to use the net for finding relevant blogs, videos, and code implementations. Like always, you can always approach any instructor with doubts.

Resources for Git, GitHub:
https://youtu.be/8JJ101D3knE
https://www.coursera.org/learn/version-control-with-git

Q1) compare different classifiers(for example - logistic regression, Decision Trees, etc.) on make moons/ make blobs dataset and report their accuracy in each case. Use different clustering algorithms and explain why some classifiers perform better than others.

Q2) Fill in the svm_classifier_assignment.ipynb notebook given in the drive. Please find the training dataset - ‘pulsar_data_train.csv’ and test dataset ‘pulsar_data_test.csv’ for the assignment.