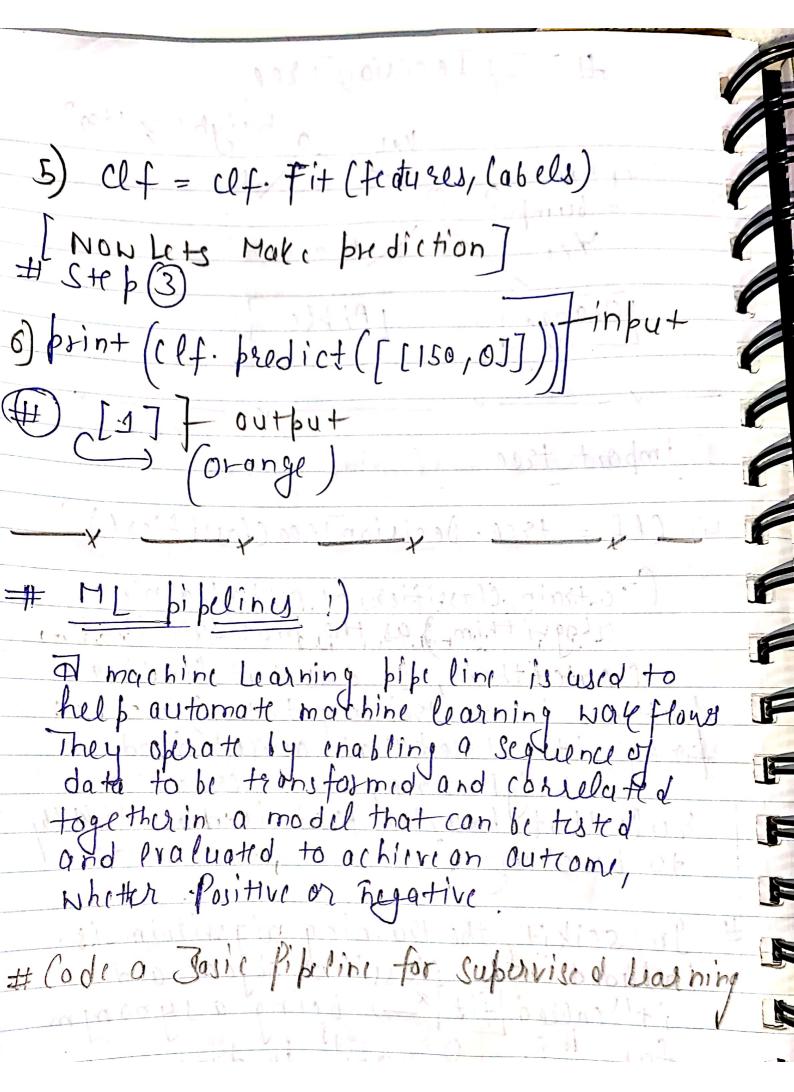
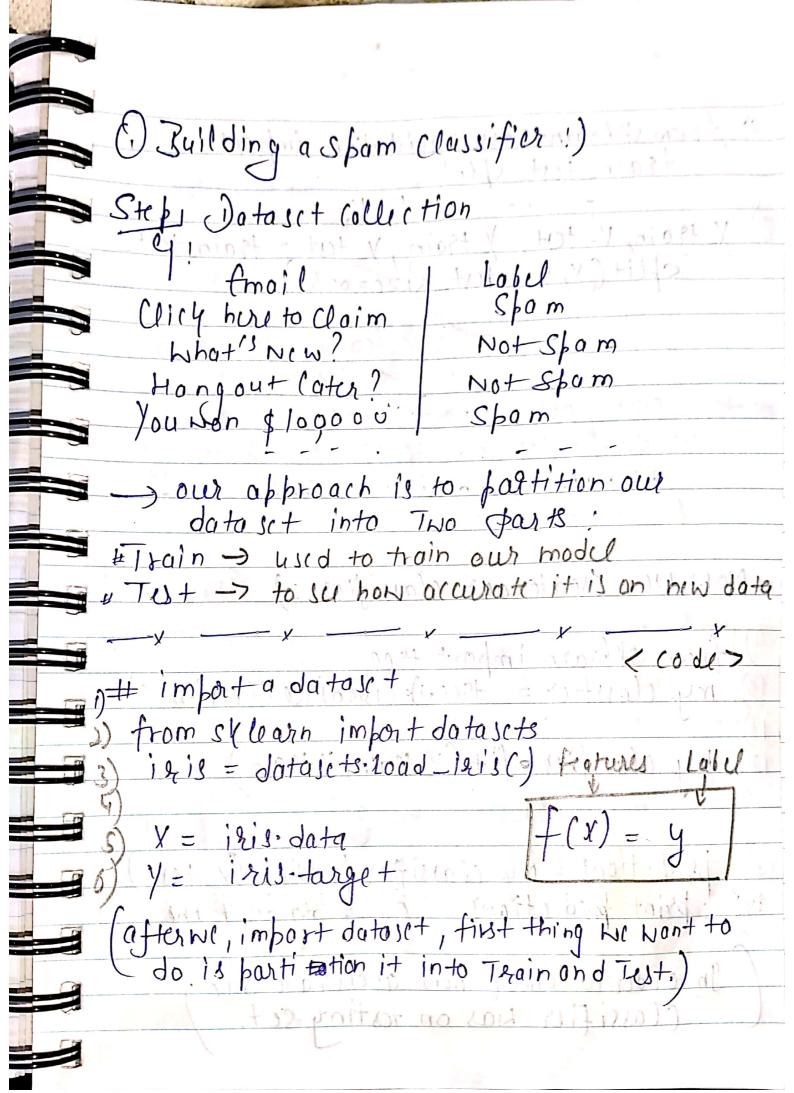
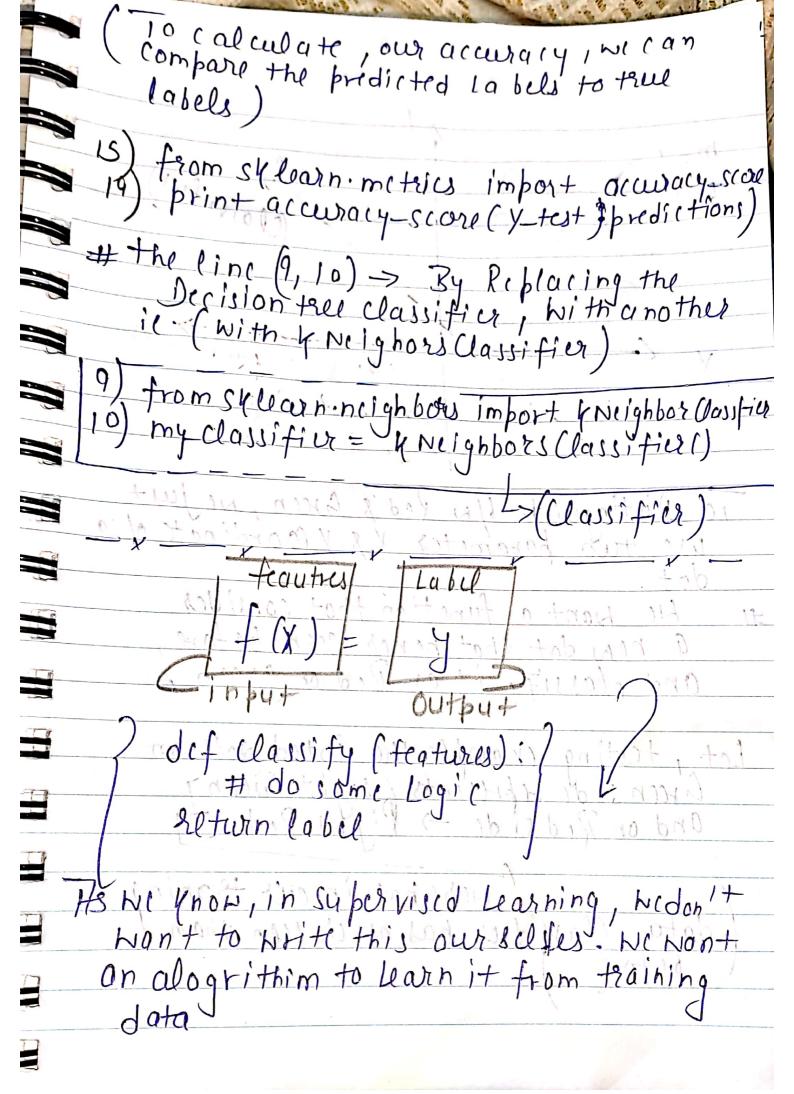


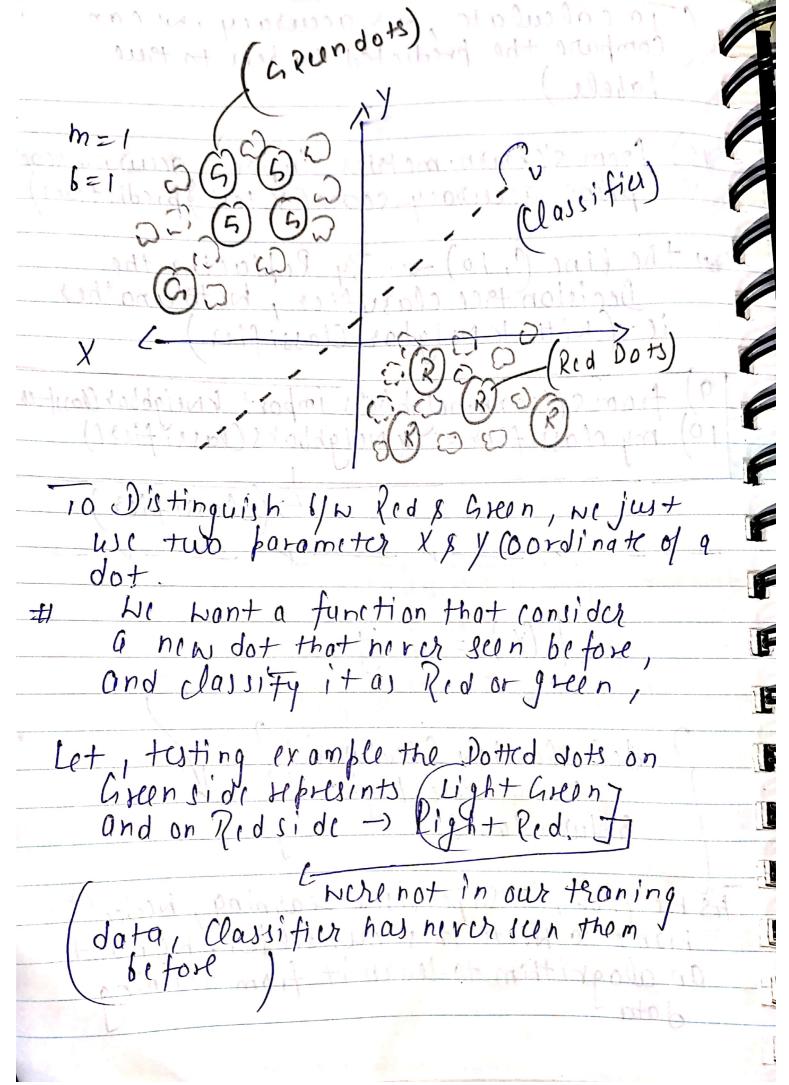
ecision Itel Weight 7 1509? 1113 1ex tu = bumpy! Apple Oronge (code > import tree 4) (If = tree. Decision Tree (lassifier() (To train, classifier, he need a learning)
alognithim & as the procedure that batterns in our training data.) ercy, it noticed that oranges tend to Meigh more, so it create a rule that heavier fruit is more likely to be orange.) scikit, the training algorithim is included inthe classifier object and
it's called [fit] \*\_ > being a synonym find Pattorns, in data





Toom sklearn-cross\_validation import
teain\_test\_split features and Labels for
training set (8) X-train, V-tot, X-train, X-tot = train\_test. Split (X, Y, test\_Size=0.5) -> features and Labels for testing set Mot Stom # test\_size = 0.5 mions half of data used for testing ej(150 examp in 1713 75 WILL be in Proin and 75 will be in Test ) NON Ne create our classifier:) (Classifier) from sklearn import tree my-classfier = tree de cisionisee Classifier () my classfier of t (X train, X train)
train classifier using training data predictions = my-classifier predict (x test)
print predictions (used to test the In order to check how accurate our of classifier was on testing set.





Well, imagine if we drow a line, then we can say dots to left of line are grand dots to Right of line are Red and Cine surver as " Classifier" # (Way to Learn the line) Let assume two parmeter ms 1, m=1, b=1(> Changu to m=1, b=5 line shift towards Grunside 1/4 Let Start with a gondon line, and use it to classify first example, our line, so, we move on to next one. out if it gets wrong, we conslightly adjust parameters of our model to moye it more accurate. If for another way -> Tensor flow/ ? lay ground) example of Neural Network ) I ground)