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**Machine Learning**

**Question 1**

**Instruction to run the Jupyter Notebook of Question1:**

1. Change the second step of the file name to ur respective fileand folder name
2. Run the cells one by one
3. The perceptron method take in data frame(b) and tetar. It will return new tetar and a list containing (0s and 1s). 0s being z is negative value
4. To iterate it 5 times, we manually run the function perceptron(b,tetar) 5 times. Each with updated tetar.
5. Do the same for 10 iterations.
6. For Testing, use the lastest tetar and parse it to perceptron(b, tetar) with b still the data frame and tetar is the value u have obtain from training function above.
7. Run the next cell below perceptron\_test to get the accuracy.