1. What are the different types of supervised learning? Give one example of each.
2. In supervised learning, labelled data set is split into training set, validation set and test set. What purpose do these datasets serve?
3. When you design a ML experiment, you should follow three principles. What are those three principles, and what are the significance of these principles?
4. Consider a sample size 50. I decide to perform 5-fold cross validation. Explain the steps you will perform.
5. X is a Gaussian distributed random variable. What is the probability that X takes value less than ---1.96?
6. Define Type I and Type II errors in Hypothesis testing.
7. We are performing bootstrapping on a sample of size 100. What is the probability that we do not pick up a sample after 50 draws?
8. Determine Accuracy and Recall.

