**Machine learning**

**1) What is machine learning?**

Machine learning in branch of artificial intelligence which provide machine the ability to learn automatically & improve from past experience without being explicitly programmed

**2) How machine learning work?**

Machine learning three major blocks

1. Model
2. Train model
3. Test model
4. Model selection:

Select a model based on problem statement

1. Train Model:

Input a Data to model. Depend on input data model prepared a set of rules to make prediction. Prediction may be like target value, classification, or clustering

1. Test Model:

Input a test data to model foe predicting output. If model predicted output accuracy is upto the mark use it. If it not upto the mark fine tune the model and retrained it till it not provide desire accuracy.