1. What is a Deep Net platform?

It is a service that allows to incorporate deep net in our applications without building one from scratch. It provides a set of tools and interfaces to build custom deep net.

1. What are diff types of deep net platforms?

Software and full.

1. What are the tools offered by deep net platforms?

Deep Net capability

Data Munging

UI model management

Infrastructure

1. Diff deepnet libraries

Theano, DL4J, torch, Caffe, TensorFlow

1. What is parallel programming?

To improve performance of a deep net, if implementation is done in terms of vectors and matrices, the computation speed improves and this is known as parallel programming

1. How do you choose number of neurons at each layer?

2 approaches: growing and pruning

Growing: In this approach, you start with a small number of neurons and keep on adding them until there is no improvement in the cost function

Pruning: It is exactly opposite of what you follow in growing. You start with excess neurons and remove them step by step until there is a cost difference

1. What is an activation function?
2. Some examples of activation function

Sigmoid, tanh and ReLu

1. What is regularization?

It is used to avoid overfitting of our model, it decreases the variance of the model without increasing the bias.