1. What is tensor? - Tensors are a type of data structure used in linear algebra, and like vectors and matrices, you can **calculate arithmetic operations** with tensors. TensorFlow is an open-source library developed by Google primarily for Machine Learning.
2. What is Julia Programming Language? - Julia is a relatively new, fast, high-level dynamic programming language. Although it is a general-purpose language and can be used to write all kinds of applications, much of its package ecosystem and features are designed for high-level numerical computing. Julia draws from various languages, from the more low-level systems programming languages like C to high-level dynamic typing languages such as Python, R and MATLAB. And this is reflected in its optional typing nature, its syntax and its features.
3. What is KPI and KRA? - Employee Key Performance Indicators (KPI) are metrics used by organizations to measure their employees' efforts and suggest improvements. Employee Key Result Areas (KRA) are a set of goals and objectives that each organization assigns for their employees at the beginning of their evaluation period.
4. What is Big Data? - Big data refers to data sets that are too large or complex to be dealt with by traditional data-processing application software. Data with many fields offer greater statistical power, while data with higher complexity may lead to a higher false discovery rate. E.g. Facebook’s Data
5. What is NLP? - Natural language processing is a subfield of linguistics, computer science, and artificial intelligence concerned with the interactions between computers and human language, in particular how to program computers to process and analyze large amounts of natural language data
6. A roadmap for ML engineers –

Month 1  
Week 1 Linear Algebra  
<https://www.youtube.com/watch?v=kjBOesZCoqc&index=1&list=PLZHQObOWTQDPD3MizzM2xVFitgF8hE_ab> <https://ocw.mit.edu/courses/mathematics/18-06-linear-algebra-spring-2010/>

Week 2 Calculus  
<https://www.youtube.com/playlist?list=PLZHQObOWTQDMsr9K-rj53DwVRMYO3t5Yr>

Week 3 Probability  
<https://www.edx.org/course/introduction-probability-science-mitx-6-041x-2>

Week 4 Algorithms  
<https://www.edx.org/course/algorithm-design-analysis-pennx-sd3x>

Month 2  
Week 1  
Learn python for data science  
<https://www.youtube.com/watch?v=T5pRlIbr6gg&list=PL2-dafEMk2A6QKz1mrk1uIGfHkC1zZ6UU>

Math of Intelligence  
<https://www.youtube.com/watch?v=xRJCOz3AfYY&list=PL2-dafEMk2A7mu0bSksCGMJEmeddU_H4D>

Intro to Tensorflow  
<https://www.youtube.com/watch?v=2FmcHiLCwTU&list=PL2-dafEMk2A7EEME489DsI468AB0wQsMV>

Week 2  
Intro to ML (Udacity) <https://eu.udacity.com/course/intro-to-machine-learning--ud120>

Week 3-4  
ML Project Ideas <https://github.com/NirantK/awesome-project-ideas>

Month 3 (Deep Learning)  
Week 1  
Intro to Deep Learning <https://www.youtube.com/watch?v=vOppzHpvTiQ&list=PL2-dafEMk2A7YdKv4XfKpfbTH5z6rEEj3>

Week 2  
Deep Learning by Fast.AI <http://course.fast.ai/>

Week 3-4  
Re-implement DL projects from Github <https://github.com/llSourcell?tab=repositories>