System Design:

1. What is System Design, give examples?

Ans: Designing is the process of understanding user requirements & selecting the right technologies.

There are 2 components of system design

1. Logical Entities
2. Tangible Entities
3. Logical Entities

Logical entities represent "things" consumed or produced by logical activities.

Ex:

* A data can be stored in Databases
* Code can run on machine
* Presentation layer (HTML)

If there are a greater number of users of the application, we need a greater number of machines.

No. of machine require is nothing but infrastructure requirement of the entire software development process.

1. Tangible Entities

It’s a strict technology part.

Data -> text, .jpg, doc, video

Databases -> MySQL, MongoDB

Application -> Python, Java

Infrastructure -> AWS, GCP, Azure

Cache -> Redis

Message Queues -> Kafka, Rabbit MQ