1. Before moving further, one thing
   1. Generally, we don’t have a separate **Web Server** and **App Server**.
   2. Rather we have **Web App Server** which acts as both **Web Server** and **App Server**.
2. We take a system with proper infrastructure as per requirement and install one of the following which makes the system a **Web App Server**.
   1. Tomcat,
   2. JBOSS,
   3. WebLogic etc.
3. We take a system with proper infrastructure as per requirement and install one of the following which makes the system a **DB Server**.
   1. Oracle
   2. Microsoft SQL Server
   3. Mongo DB etc.
4. **Note**: Remember the version for the software you install which is an interview question.
5. Suppose a request spends .5 second on Web App Server and 5.5 seconds on DB Server.
6. **Where is the bottleneck?**
   1. Industry standard transaction time is 2 seconds, but it is taking overall 6 seconds which is bottleneck and it is occurring on DB Server as it is taking 5.5 seconds there.
7. From the Client point of view, it is easy to figure out that it is 6 seconds.  
   So, you send a request and get the response which takes 6 seconds.  
   **But the question is how do we know where how much time the request processing has spent?**
8. **How to know which system is taking how much time in the overall request processing time?**
   1. Using Monitoring tool.
   2. **APM**: **A**pplication **P**erformance **M**onitoring Tool.
   3. **APM Tools which are calling Profiling Tools.**
      1. **Dynatrace.**
      2. **AppDynamics.**
      3. **HP Diagnostics.**
   4. The process of installing these pieces of code is called **Profiling** and   
      The tools which are installed are called **Profiling Tools or Probes.**