**CompTIA A+**

To watch the below video, you need to right click on the Hyperlink just below the highlighted task in red color and select the Open Hyperlink option. It will take you to the YouTube where you can watch the concerned video.

You are required to watch the video and answer the Questions asked below.

You need to type answers in the row indicated with “Ans.”

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| **Hands on lab blade server**  <https://drive.google.com/file/d/1441GjwA3Qf8ZhymeXPuzAmElB6Bc5Fw2/view?usp=sharing> | |
| 1 | What is blade server? |
| Ans. | A blade server, sometimes referred to as a high-density server, is a compact device containing a computer used to manage and distribute data in a collection of computers and systems, called a network. Its role is to act as a conduit between computers, programs, applications and systems. |
| 2 | What is data center? |
| Ans. | WHERE WE STORE FILE OR DATA |
| 3 | What do you mean by chassis in a blade server? |
| Ans. | Multiple blade servers slide into a blade enclosure, or blade chassis, which provide the ability to fit many servers into a single rack for high processing power. |
| 4 | How many server a chassis contains? |
| Ans. | What Does Server Chassis Mean? A server chassis is a metal structure that is used to house or physically assemble servers in various different form factors. A server chassis makes it possible to put multiple servers and other storage and peripheral equipment in a single physical body. |
| 5 | How many power supplies inside the chassis? |
| Ans. | Up to six power supplies can be installed. The number of power supplies that you install is dependent on the type of power supply, the chassis power load, and selected chassis power policy. |
| 6 | How many ram slots a server have inside the chassis? |
| Ans. | 4 TO 6 RAM SLOT |
| 7 | How much ram a server supports? |
| Ans. | Looking at servers, 16GB and 32GB are common capacities of server memory, although they can support up to 6TB for 2933 MT/s DDR4. |
| 8 | How many CPU we can insert inside the server? |
| Ans. | How many CPUs can you put in a server?  The count of CPU sockets in a server aligns with the number of CPUs that can be installed. Typically, servers support 1/2/4/8/16/32 CPU sockets. A single-socket server accommodates a solo processor, while a 4-socket server can concurrently run 4 processors. |
| 9 | Is physical server can be virtualized? |
| Ans. | A hypervisor is used to virtualize a physical server to create and run virtual machines, which have their own resources like CPU, RAM and storage. By installing a hypervisor on physical hardware, you can share the resources of the physical server among multiple virtual machines. |
| 10 | In how many operating system a server can be run? |
| Ans. | In a virtual computing environment, a single server can run multiple operating systems simultaneously. |