**Lab One:**

**Question 1:**

Check if your processor supports Intel/AMD virtualization technology. Enable Intel virtualization technology in BIOS if possible.

**Answer:**

Yes, my processor supports AMD Virtualization technology. AMD Virtualization is already enabled in the BIOS settings, allowing my laptop to use virtualization capabilities essential for cloud computing.

**Question 2:**

The cloud is almost everywhere in our lives now. What do you think are the fundamental reasons behind its success? Name three pros and three cons of cloud.

**Answer:**

The fundamental reasons for the success of the cloud are:

**Easily Scalable:** Cloud computing offers almost unlimited scalability, allowing businesses to easily adjust their resource usage based on current needs of their application. This scalability ensures that users of the cloud can expand their operations without the need for investments in physical servers/infrastructure.

**Cost-Effectiveness**: The cloud uses a pay as you go model, which means users of cloud computing only pay for the resources they use. This approach eliminates the need for massive expenditure on servers and reduces the costs associated with maintaining and upgrading physical servers such as staff, hardware etc. The pay as you go model also prevents wasted resources like storage and hardware which saves money.

**Accessibility**: Access from anywhere, facilitating collaboration.