**Cloud Computing & DevOps Assignment**

**1. Describe at least three key benefits of using cloud computing for businesses. Explain how cloud computing can improve scalability, cost efficiency, and disaster recovery compared to traditional on-premises solutions.**

**Benefits of using cloud computing for business with explanation:**

* **Cost Efficiency:** It minimizes the cost of hardware for IT infrastructure.
* **Scalability:** It provides the ability to easily scale up or down based on demand.
* **Accessibility:** It is accessible from anywhere with an internet connection.
* **Security:** It provides high security to our data by encryption, authentication and so on.
* **Disaster Recovery:** It allows an organization to back up its data in a third party cloud computing environment which helps for data recovery during disaster.

**2. Explain the differences between Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). Provide real-life examples for each service model and discuss how they cater to different user needs.**