**Task-1.1**

**Research and list at least 5 benefits of cloud computing over traditional on-premises infrastructure**.

**As developer , In Cab Booking Application 5 benefits of cloud computing over traditional on-premises infrastructure** :

**High availability** – It ensures that the cab booking system should have the maximum uptime but the downtime should be minimum as much as possible

e.g., 99.99% uptime i.e., 4 min per month downtime

**Elasticity** - As the cab booking/ Businesses increases the demand(like during peak hours, festivals, new year eve and holidays.),cloud computing can easily adjust their storage capacity, server resources, and other infrastructure elements(GPS and OTP and Transaction details) to meet their specific needs and when demand decreases in off seasons ,it shrinks the resources .

**Agility**- If we add any new features in our cab booking system, updates will be added easily to the application using cloud computing ‘s services and resources without any disturbance on users end.

**Fault tolerance** – Even in internet lost, networking, server down and hardware failures(short circuits) situation occurs in the developer's side  ,application will work properly.

**Disaster recovery**  - there is data backup hence data is not lost even in disasters, business will continue.