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**Assignment :1**

**1)what is MicroServices?**

**-**Microservice architecture ,or simply microservices,is a distinctive method of developing software system that tries to focus on building single-function modules with well-define interfaces and operations .the trend has grown popular in recent years as enterprises look to become more agile and move towards a devOps and continuous testing

**2)Challenges with monolithic oriented architecture?**

**-**Difficult to scale.

-long build/test/release cycles engage your audience .

-new releases take weeks or months.

-long time to add new feature.

-architecture is hard to maintain and evolve.

-lack of agility.

-lack of innovation.

**3)any three advantage and disadvantage of microservice.**

* advantage of microservice:

-service-oriented architecture.

-composed of loosely coupled elements

-that have bounded contexts

* disadvantage of microservice:

-communication between services is complex.

-more services equals more resources.

-Debugging problems can be harder.