

1. Monolith means composed all in one piece. The **Monolithic** application describes a single-tiered **software** application in which different components combined into a single program from a single platform.

Any application that is written on a single platform is an example of monolithic application. A website that is totally written present in a single server repository and has all the components present and working in the same repo is an example for monolithic application.

2. Limitations:
  - a. Maintenance — If Application is too large and complex to understand entirely, it is challenging to make changes fast and correctly.
  - b. The size of the application can slow down the start-up time.
  - c. You must redeploy the entire application on each update.
  - d. Monolithic applications can also be challenging to scale when different modules have conflicting resource requirements.
  - e. Reliability — Bug in any module (e.g. memory leak) can potentially bring down the entire process. Moreover, since all instances of the application are identical, that bug impact the availability of the entire application
  - f. Regardless of how easy the initial stages may seem, Monolithic applications have difficulty to adopting new and advance technologies. Since changes in languages or frameworks affect an entire application, it requires efforts to thoroughly work with the app details, hence it is costly considering both time and efforts.