1. **What is docker?**

**Docker is a containerization platform for developing, packaging, shipping and running Applications.**

**It provides the ability to run an application in an isolated environment called a container.**

**Makes deployment and development efficient.**

1. **What is a container?**

**A way to package an application with all necessary dependencies and**

**Configurations.**

**It can be easily shared.**

**Makes deployment and development efficient.**

1. **Docker V/s VM**

|  |  |
| --- | --- |
| **Docker Containers** | **VM** |
| **Low impact on OS, very fast, low disk space usage** | **High impact on OS, slower, high disk space usage** |
| **sharing, rebuilding and distribution is easy** | **sharing, rebuilding and distribution is challenging** |
| **Encapsulate app instead of whole machine** | **Encapsulate whole machine** |