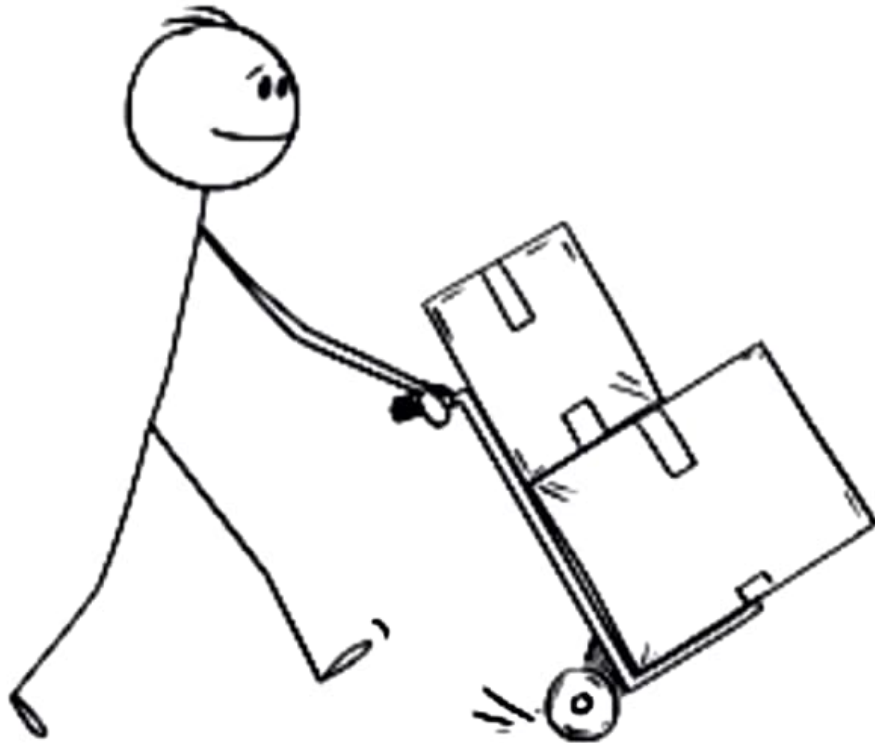




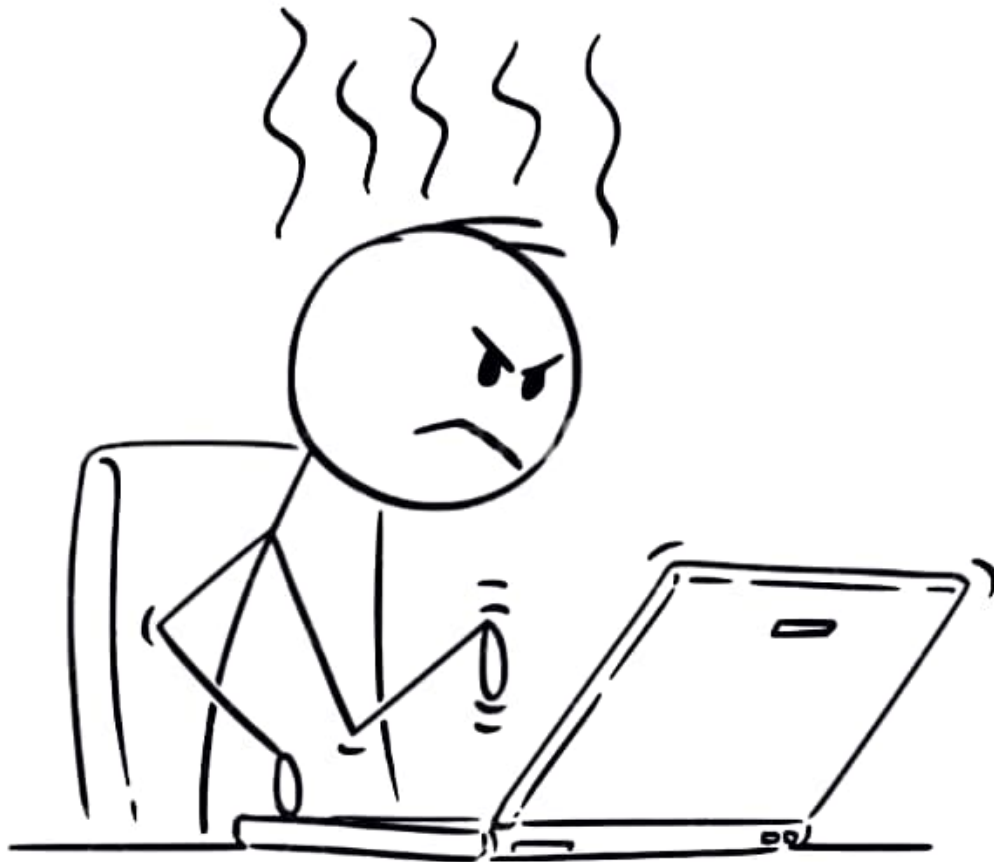
WHAT IS DOCKER



Production

**But in Production it
doesn't work properly**

Developers experience it a lot



Lets say You created an Application

And that's working fine in
your machine



That is when the Developer's famous words are spoken

Your application is
not working

It works on my machine



We need a standardized way to package the application with its dependencies and deploy it on any environment.



Docker is a tool designed to make it easier to create, deploy, and run applications by using containers.

So it will always work the same
regardless of its environment

How Does Docker Work?

Docker packages an application and all its **dependencies** in a **virtual container** that can run on any Linux server.

The Reason could be due to :

- Dependencies
- Libraries and versions
- Framework
- OS Level features
- Microservices

That the developers machine has but not there in the **production environment**

Each container runs as an **isolated process** in the user space and take up **less space** than regular VMs due to their layered architecture.

