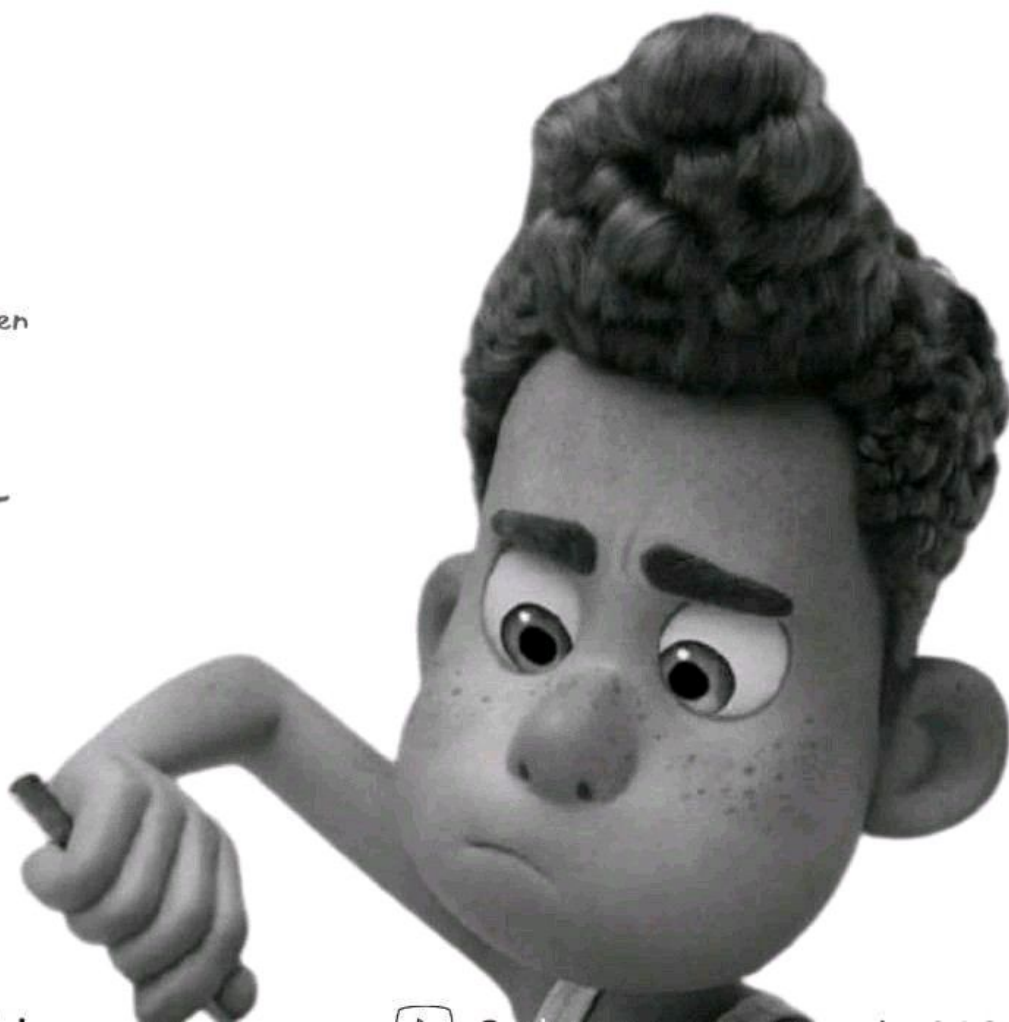




# WHAT IS A DOCKER ?

Credit : Ellen

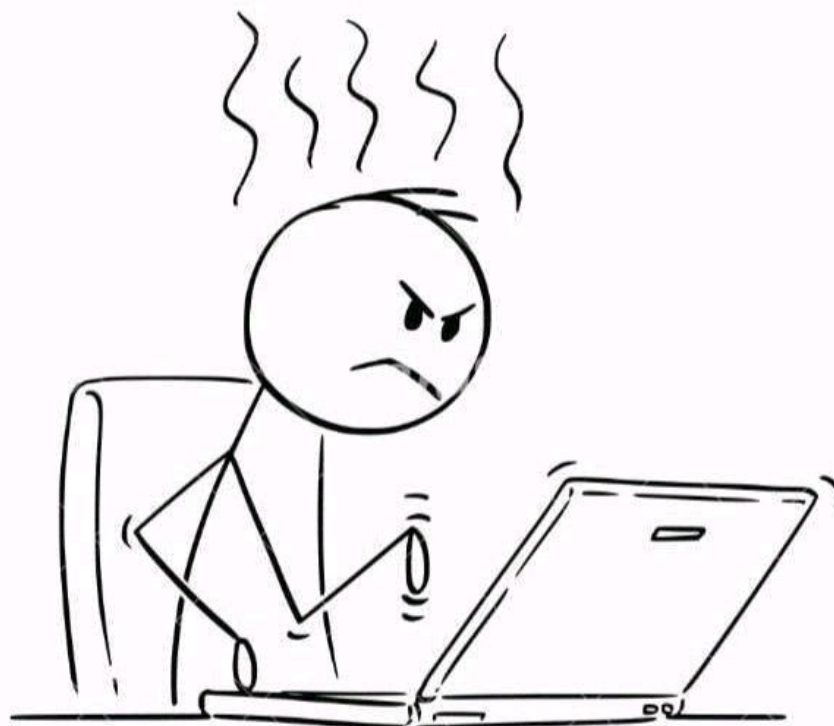




## Production

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

Developers experience it a lot





## Development

### Lets say You created an Application

And that's working fine in  
your 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**.



## The Reason could be due to :

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

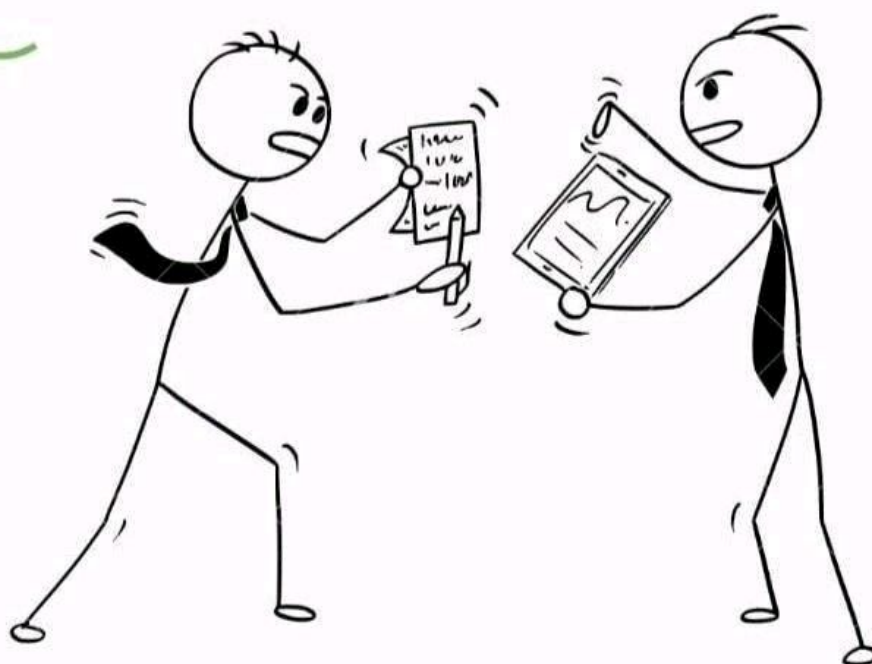
That the developers machine has but  
not there in the **production environment**



## That is when the Developer's famous words are spoken

Your application is  
not working

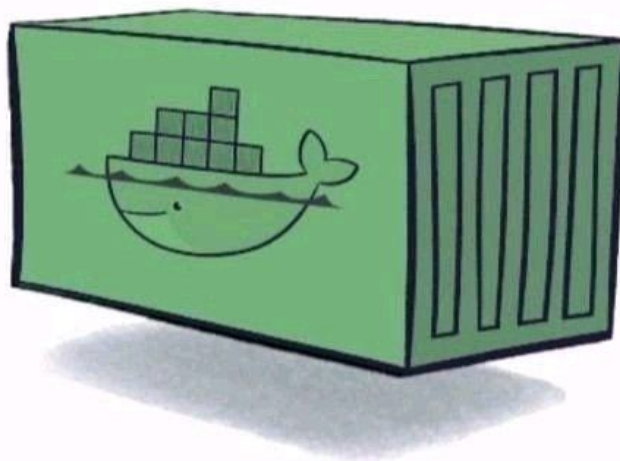
It works on my machine





## How Does Docker Work?

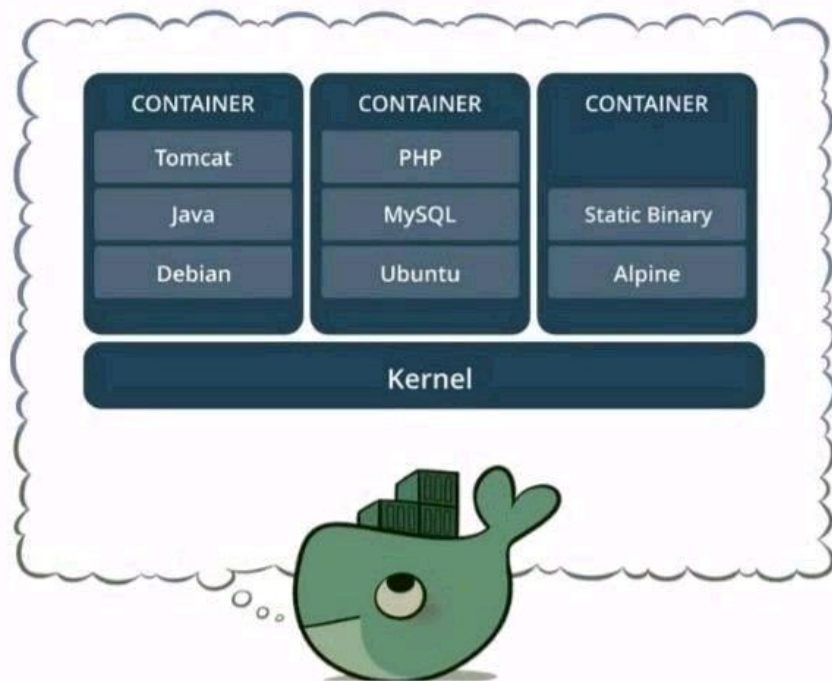
Docker packages an application and all its **dependencies** in a **virtual container** that can run on any Linux server.







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







So it will always work the same  
regardless of its environment