Distributed DBMS Lab

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## Installation

1. Download and Install Docker Desktop (Personal):

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| <https://www.docker.com/products/docker-desktop/> |

1. Run Docker Desktop
2. Create a new directory anywhere (eg: /home/user/hadoop or E:\hadoop)
3. Open terminal from within the newly created directory.
4. **Run the command below to download the container:**

|  |
| --- |
| docker run -p 9870:9870 -p 8088:8088 -v .:/home/hadoop/data -it --name=hadoop macio232/hadoop-pseudo-distributed-mode |

1. Done.

## Work

1. Start the container:

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| --- |
| docker start hadoop |

1. Get inside the container:

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| --- |
| docker exec -it hadoop /bin/bash |

1. Done.

## Note toTroubleshoot

* If the container exits early, then delete the container using docker desktop or docker cli and run the command in step 5 of installation again.
* The created directory is mapped to the container in /home/hadoop/data for handling data communication.
* The container is an Ubuntu 16.04 OS, so most linux commands will work.

**Cryptography Lab**

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| <https://github.com/Ankar-Kumar/cryptoLab> |