

CA6C1 – DevOps - National Institute of Technology, Trichy

Assignment 2 – Setting Up DOCKER - Workshop

Announcement: 13 March 2025 9:00 PM ** Due: 20 April 2025 9:00 PM

Total Marks: 25 | Duration: 2 Weeks

Instructions: *This assignment is a group submission, not an individual activity. Evaluation will be conducted based on a fixed grading rubric (Syntax, Logic, Input and Output) and the marks are divided as per the prescribed weightage in respective question. Inputs/Outputs should fit the criteria mentioned in respective questions. Unless it is specified, all input/output criteria are open to interpretation. All questions in the assignment are self-explanatory. DO NOT reach us for any clarifications. If you are answering a question based on a certain assumption, please feel free to mention it as your code comment(s). Submissions are accepted only via GitHub Classroom (Invite Link: <https://classroom.github.com/a/v5oU16eZ>)*

Q1: Using Docker Desktop or Docker Playground, perform the following:

- a. Create a Container with PostgresDB or MySQL database installed (5 Marks)**
- b. Deploy VReqST – A requirement specification tool in a container. All the artifacts required for the tool as listed here -**

https://docs.google.com/viewer?url=https://raw.githubusercontent.com/sai11101989/sai11101989.github.io/main/Course/DevOps_NIT_Spring2025/VReqST_ICSE2025_Artifacts.pdf

(20 Marks)

Resources:

- 1. Docker Desktop: <https://www.docker.com/101-tutorial/>**
- 2. Docker Playground: <https://labs.play-with-docker.com/>**