🎓 **Courses** ❯ Data Engineering Zoomcamp 2026   🌙 👤 evandgilmore@gmail.com (Logout 🠪)

Homework 1: Docker, SQL and Terraform for Data Engineering Zoomcamp 2026

https://github.com/DataTalksC...

Due date: 26 January 2026 16:59 (local time)

Questions

Question 1. What's the version of pip in the python:3.13 image? (1 point)

- ⦿ 25.3
- ◯ 24.3.1
- ◯ 24.2.1
- ◯ 23.3.1

Question 2. Given the docker-compose.yaml, what is the hostname and port that pgadmin should use to connect to the postgres database? (1 point)

- ◯ postgres:5433
- ◯ localhost:5432
- ◯ db:5433
- ⦿ postgres:5432
- ◯ db:5432

Question 3. For the trips in November 2025, how many trips had a trip_distance of less than or equal to 1 mile? (1 point)

- ◯ 7,853
- ⦿ 8,007
- ◯ 8,254
- ◯ 8,421

Question 4. Which was the pick up day with the longest trip distance? Only consider trips with trip_distance less than 100 miles. (1 point)

- ⦿ 2025-11-14
- ◯ 2025-11-20
- ◯ 2025-11-23
- ◯ 2025-11-25

Question 5. Which was the pickup zone with the largest total_amount (sum of all trips) on November 18th, 2025? (1 point)

- ⦿ East Harlem North
- ◯ East Harlem South

○ Morningside Heights
○ Forest Hills

Question 6. For the passengers picked up in the zone named "East Harlem North" in November 2025, which was the drop off zone that had the largest tip? (1 point)

○ JFK Airport
• Yorkville West
○ East Harlem North
○ LaGuardia Airport

Question 7. Which of the following sequences describes the Terraform workflow for: 1) Downloading plugins and setting up backend, 2) Generating and executing changes, 3) Removing all resources? (1 point)

○ terraform import, terraform apply -y, terraform destroy
○ teraform init, terraform plan -auto-apply, terraform rm
○ terraform init, terraform run -auto-approve, terraform destroy
• terraform init, terraform apply -auto-approve, terraform destroy
○ terraform import, terraform apply -y, terraform rm

Homework URL ❓

> https://github.com/edotgilmore/data_engineering_hw1

Learning in public links (optional) ❓

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Time spent on lectures (hours) (optional) ❓

> 8

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> 5

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