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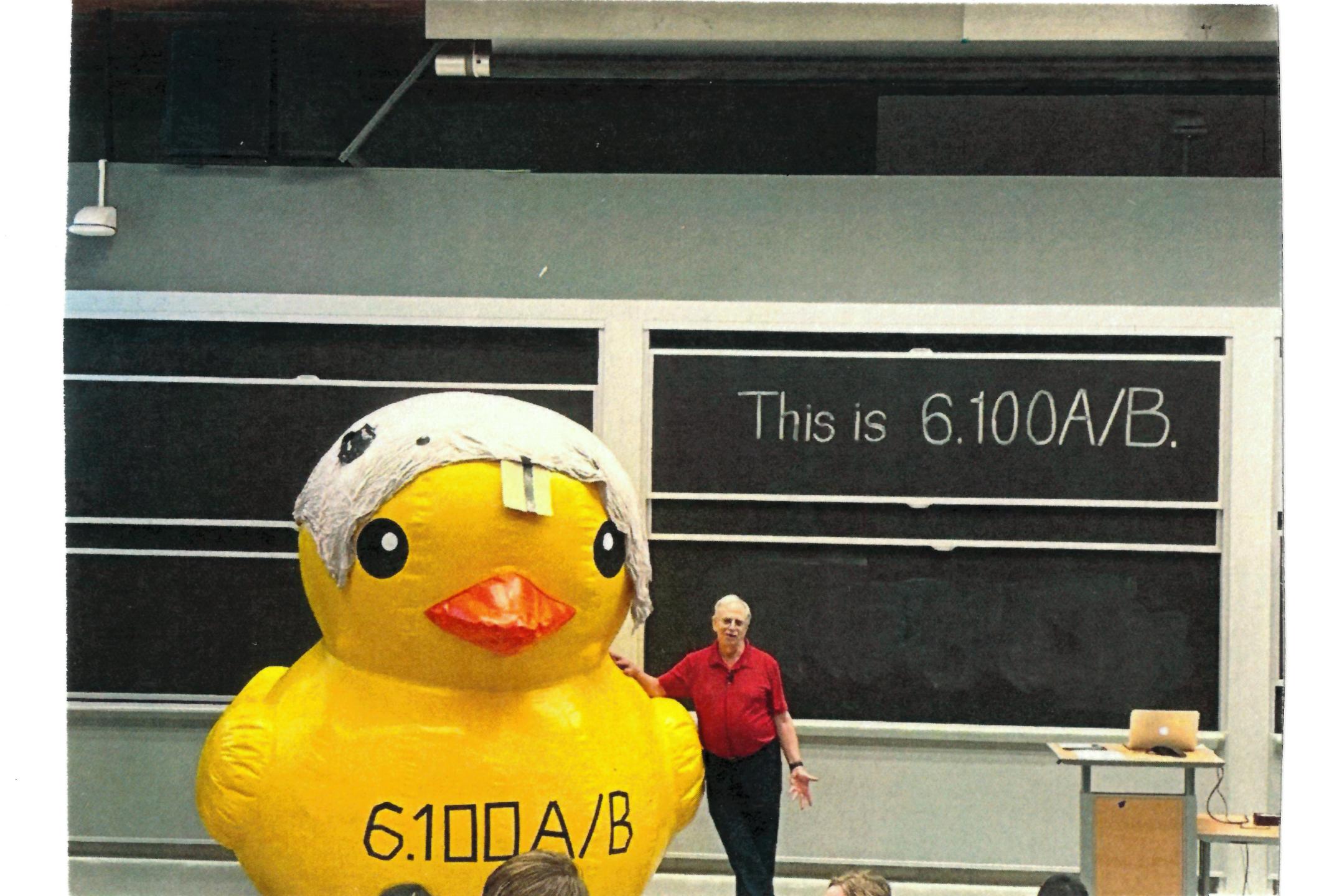
CS50 for MBAs

carterzenke.me/lab



Fiftyville

Who stole the CS50 duck?











What You Know

- Theft took place on July 28
- Theft took place on Humphrey Street

Your Goal is to Identify...

- Who the thief is
- Where the thief escaped to
- Who the thief's accomplice was who helped them escape town

fiftyville.db

sqlite3 fiftyville.db

```
airports
atm_transactions
bakery_security_logs
bank_accounts
crime_scene_reports
```

flights
interviews
passengers
people
phone_calls

```
airports flights atm_transactions interviews bakery_security_logs passengers bank_accounts people crime_scene_reports flights interviews passengers phone_calls
```

sqlite> .schema crime_scene_reports

```
CREATE TABLE crime_scene_reports (
   id INTEGER,
   year INTEGER,
   month INTEGER,
   day INTEGER,
   street TEXT,
   description TEXT,
   PRIMARY KEY(id)
);
```

SELECT description
FROM crime_scene_reports
WHERE month = 7 AND day = 28
AND street = 'Humphrey Street';

airports
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Suggestions

- Explore table schemas to understand how tables connect to one another
- To query across multiple tables, nest queries together or join tables together
- Maintain a list of suspects

Reminders

- Keep track of all queries you run in your log file
- Add comments to take notes and describe your thought process

Ruth

"Sometime within ten minutes of the theft, I saw the thief get into a car in the bakery parking lot and drive away.

If you have security footage from the bakery parking lot, you might want to look for cars that left the parking lot in that time frame."

Eugene

"I don't know the thief's name, but it was someone I recognized.

Earlier this morning, before I arrived at Emma's bakery, I was walking by the ATM on Leggett Street and saw the thief there withdrawing some money."

Raymond

"As the thief was leaving the bakery, they called someone who talked to them for less than a minute."

On the call, I heard the thief say that they were planning to take the earliest flight out of Fiftyville tomorrow.

The thief then asked the person on the other end of the phone to purchase the flight ticket."

- Alice
- Bob

```
sqlite> SELECT ...

Alice
Bob
Daniel
Kristen
```

- Bob

```
sqlite> SELECT ...

Angela
Linda
Bob
Emma
```

Submission

- Submit code files to Gradescope by Thursday, February 23, 3:10 PM.
- Graded based on completion, but please double check to be sure your files are named correctly:
 - log.sql not log (1).sql