**2022 B Answer**

# **Q1:**

**A collage of a paper with text

Description automatically generated**

**A diagram of a company

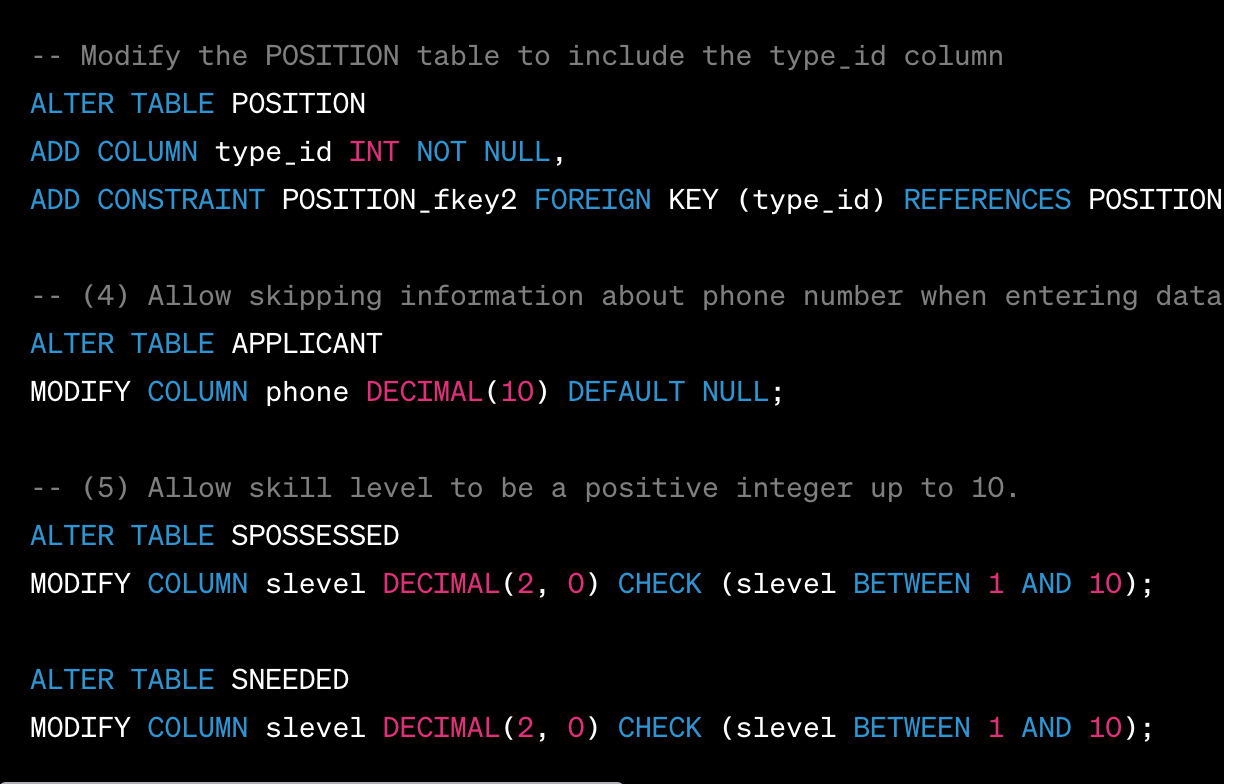
Description automatically generated**

**Q2:**

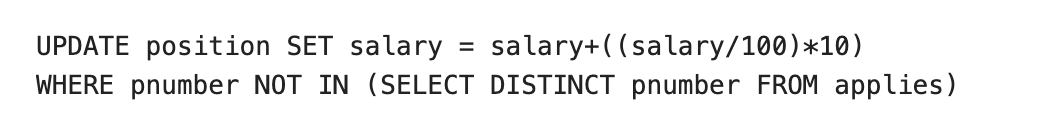
**Q3:**

**A computer screen shot of a program

Description automatically generated**

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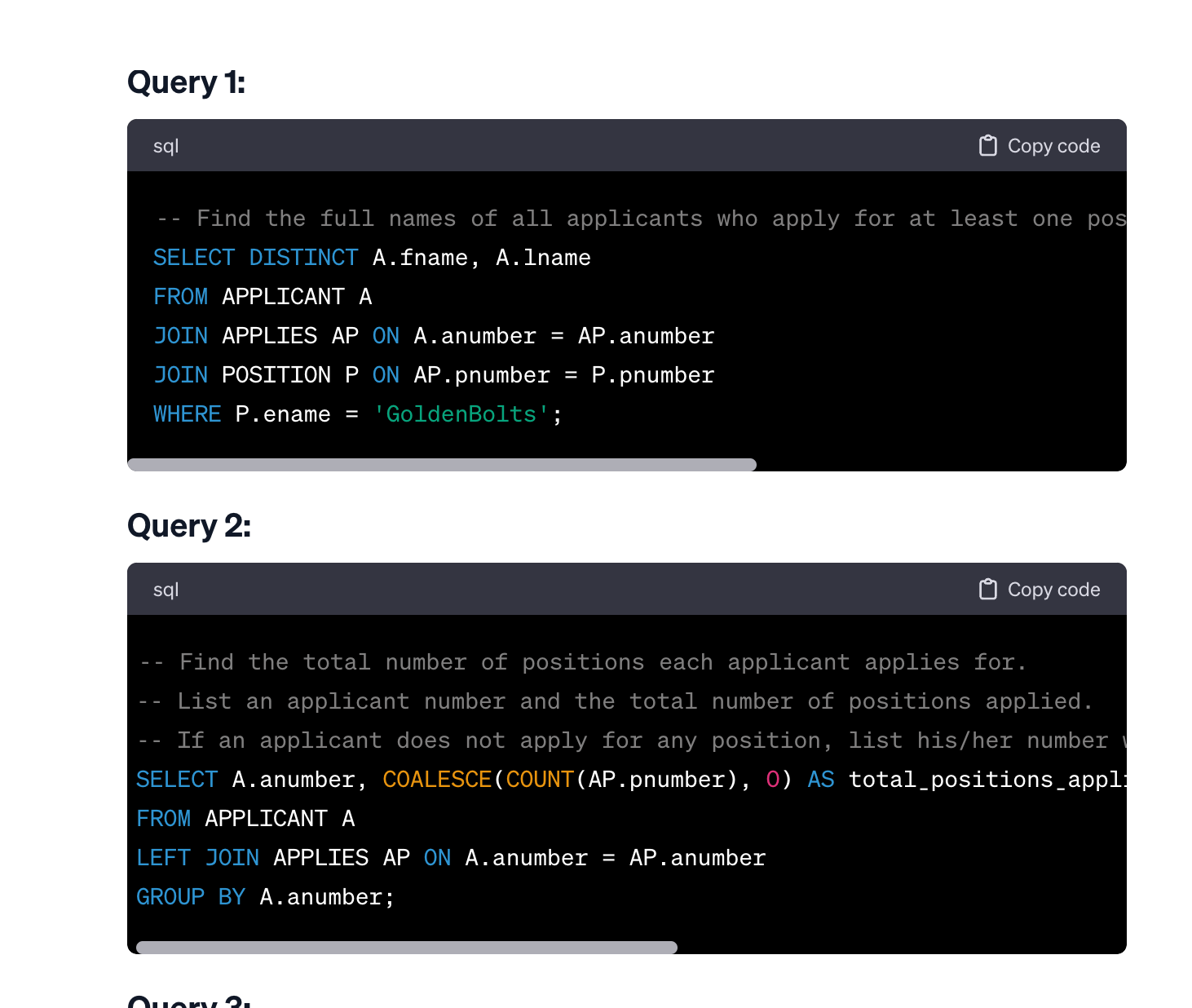
**Q4:**

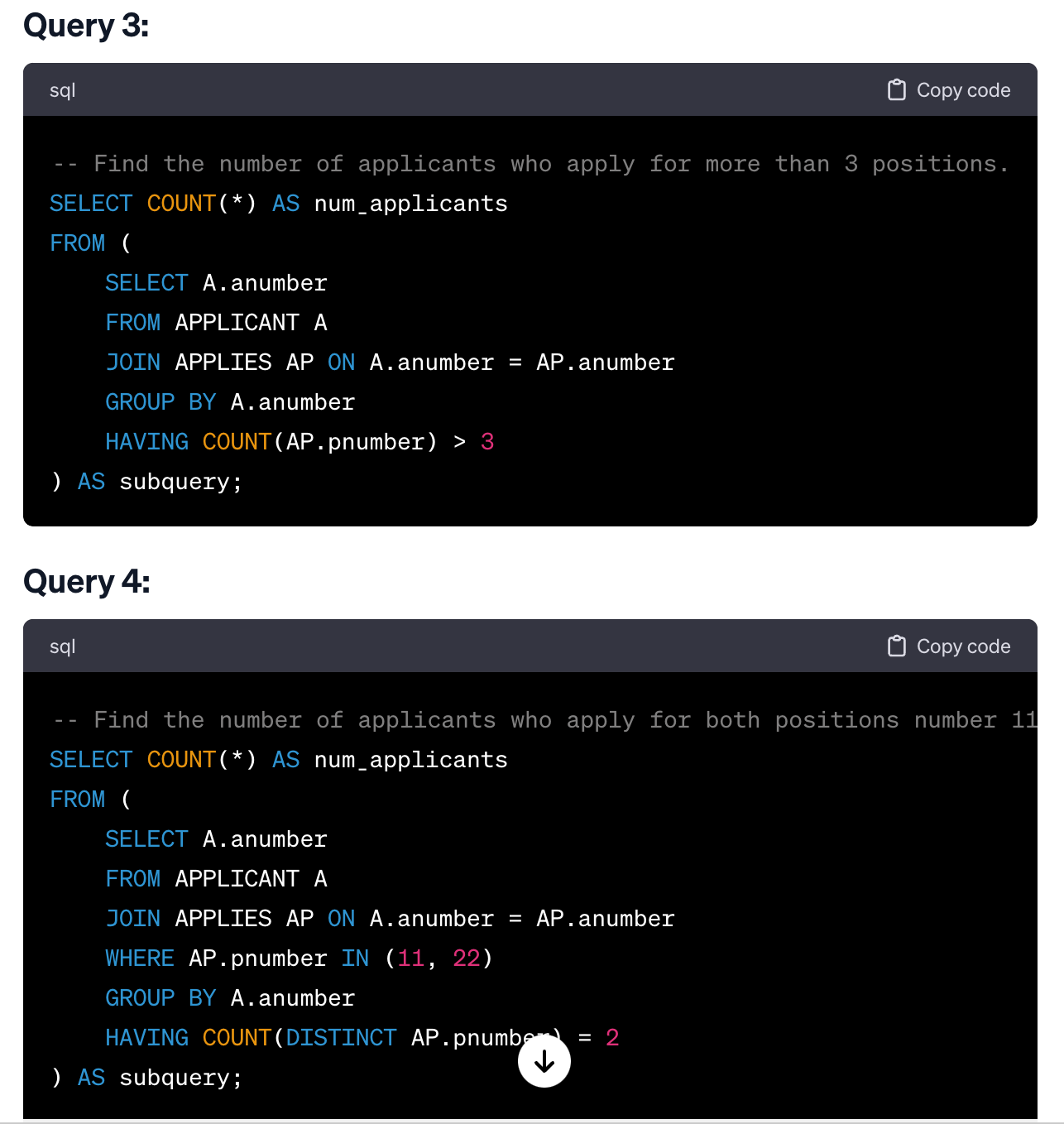
1. **Insert into APPLIES Values ( 7, 21, Curdate());**
2. ****
3. **A close up of black text

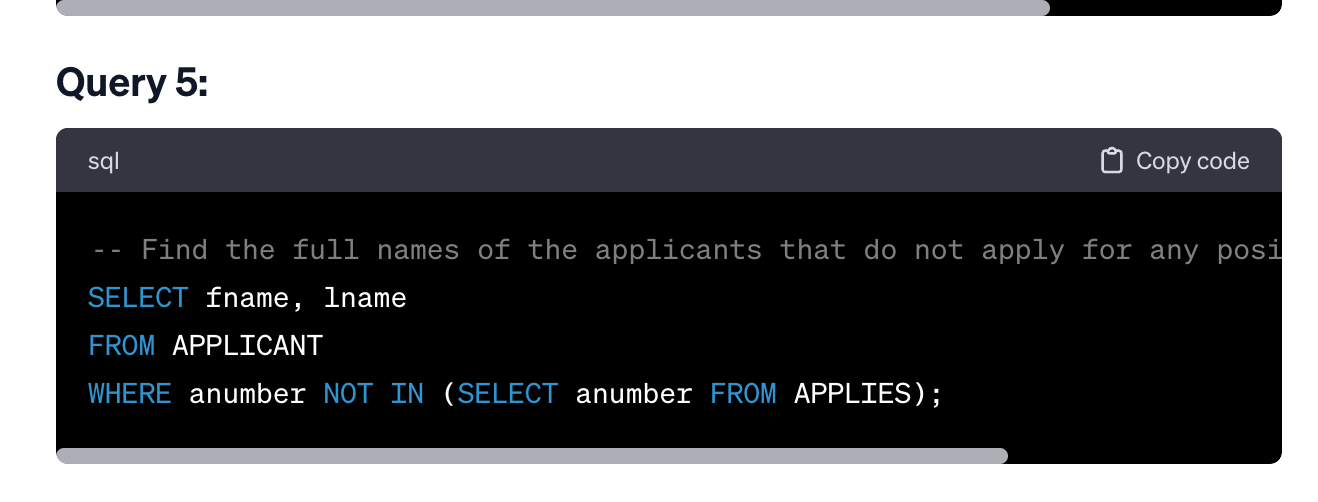
   Description automatically generated**
4. **A close-up of a white background

   Description automatically generated**

**Q5.**

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**Q6:**

SELECT

A.anumber,

A.fname,

A.lname,

'has submitted more than 3 applications in one day' AS violation\_message,

AP.appdate AS violation\_date

FROM

APPLICANT A

JOIN

APPLIES AP ON A.anumber = AP.anumber

JOIN (

SELECT anumber, appdate, COUNT(\*) AS total\_applications

FROM APPLIES

GROUP BY anumber, appdate

HAVING COUNT(\*) > 3

) AS Violations

ON

A.anumber = Violations.anumber AND AP.appdate = Violations.appdate;

**Q7:**

**A screenshot of a computer

Description automatically generated**

**A screenshot of a computer screen

Description automatically generated**