Datenbanken: Übungsblatt 7

(Florian Rauls, Christian Heusel, Philipp Göldner) (Gruppe 1)

Aufgabe 1	Aufgabe 2	Aufgabe 3	Aufgabe 4	Aufgabe 5	Σ

Aufgabe 1

```
1. SELECT a.name, count(*) AS bands_gegruendet
FROM
         ARTIST_RELATION ar
         JOIN ARTIST a
         ON ar.artist0 = a.id
    WHERE ar.founder = 'Y'
    GROUP BY a.name, ar.artist0
    HAVING count(*) >= 3
    ORDER BY ar.count DESC
```

name	bands_gegruendet	
Asai, Kenichi	6	
Hein, Peter	4	
Tzavaras, Vasilis	4	
Lohner, Danny	4	
Kaasinen, Sari	3	
Tibet, David	3	
Vrenna, Chris	3	
Fisher, Adam	3	
Linnet, Anne	3	
Gane, Tim	3	
Renders, Koen	3	
Pablo, Morton	3	

```
name
       Subway to Sally
          Iced Earth
          In Flames
         Ace of Base
         Dog Eat Dog
           H-Blockx
            And One
          Hypocrisy
       Fiddler's Green
           Immortal
        Welle Erdball
          Wise Guys
            Sylvan
  3. -
  4. SELECT c0.name AS concert, s0.name AS SONG, count(*)
          concert c0 JOIN SONGS s0 ON c0.setlist = s0.setlist
     WHERE
          EXISTS(
               SELECT *
               FROM concert c1 JOIN SONGS s1 ON c1.setlist = s1.setlist
               WHERE
                    s0.pos = s1.pos+1
                    AND s0.name = s1.name
                    AND c0.name = c1.name
                    AND c0.eventdate = c1.eventdate
                    AND s0.setlist = s1.setlist
                    AND NOT so.name = ''
     GROUP BY so.name, co.name
     Successfully run. 346 rows affected.
Aufgabe 2
  1.
           \{\verb|<b.Gast>| b \in \texttt{BESUCHER}, a \in \texttt{ANGEBOT}, m \in \texttt{MAG} \ \land \ b.\texttt{Restaurant} = a.\texttt{Restaurant}
                                                                                                            (1)
                                                              \land a.Wein = m.Wein
                                                              ∧ b.Gast = m.Gast}
  2.
           \{\verb|<b.Gast>| b \in \texttt{BESUCHER}, a \in \texttt{ANGEBOT}, m \in \texttt{MAG} \ \land \ b.\texttt{Restaurant} = \texttt{a.Restaurant}
                                                                                                            (2)
                                                              \land a.Wein = m.Wein
                                                              ∧ b.Gast = m.Gast
                                                              \land b \notin BESUCHER(a.Restaurant = b.Restaurant \land
                                                                a.Weine = m.Weine)}
```