Databanken – SQL – oplossingen

1. **select** *\** **from language  
   order by name**

1. **select first\_name**, **last\_name from** actor  
    **where last\_name LIKE** "%SON%"  
   **order by first\_name**
2. **select address\_id**, **address**, **postal\_code**, **district  
   from** address  
   **where** (**postal\_code is null OR postal\_code** = "")
3. **select first\_name**, **last\_name**, **title**, **release\_year from** actor  
    **INNER JOIN** film\_actor **ON** actor.**actor\_id** = film\_actor.**actor\_id  
    INNER JOIN** film **ON** film\_actor.**film\_id** = film.**film\_id  
    where** film.**description LIKE** "%crocodile%" **OR** film.**description LIKE** "%shark%"  
   **order by first\_name**
4. **select** *count*(*\**) **from** film  
    **where** film.**description LIKE** "%crocodile%" **OR** film.**description LIKE** "%shark%"
5. **SELECT** category.name, count(\*) as aantal

**FROM** category

**INNER JOIN** film\_category **ON** category.category\_id **=** film\_category.category\_id

**GROUP BY** category.name

**HAVING** aantal **> 55 AND** aantal **< 65**

**ORDER BY** aantal

1. **select** category.**name**, *avg*(film.**replacement\_cost**) **as** avg\_repc, *avg*(film.**rental\_rate**) **as** avg\_rentr  
   **from** category  
   **INNER JOIN** film\_category **ON** category.**category\_id** = film\_category.**category\_id  
   INNER JOIN** film **ON** film\_category.**film\_id** = film.**film\_id  
   GROUP BY** category.**category\_id  
   HAVING** (avg\_repc - avg\_rentr ) > 17
2. **select** actor.**first\_name**, actor.**last\_name  
   from** actor  
   **where** actor.**first\_name** = (**select** actor.**first\_name from** actor **where actor\_id**=8)  
   **and actor\_id** <> 8

**UNION**

**select** customer.**first\_name**, customer.**last\_name  
from** customer  
**where** customer.**first\_name** = (**select** actor.**first\_name from** actor **where actor\_id**=8)

1. **select** film.**title**, *sum*(**amount**) **as** totaal  
   **from** film  
   **inner join** inventory **on** film.**film\_id** = inventory.**film\_id  
   inner join** rental **on** inventory.**inventory\_id** = rental.**inventory\_id  
   inner join** payment **on** rental.**rental\_id** = payment.**rental\_id  
   GROUP BY** film.**title  
   ORDER BY** totaal **DESC  
   LIMIT** 10
2. **select** film.**title**, *sum*(**amount**) **as** totaal,  
    (**select** *count*(*\**) **from** film\_actor **where** film.**film\_id**=film\_actor.**film\_id**)  
    **as** aantal\_acteurs  
   **from** film  
   **inner join** inventory **on** film.**film\_id** = inventory.**film\_id  
   inner join** rental **on** inventory.**inventory\_id** = rental.**inventory\_id  
   inner join** payment **on** rental.**rental\_id** = payment.**rental\_id  
   GROUP BY** film.**title,** aantal\_acteurs **ORDER BY** aantal\_acteurs **DESC  
   LIMIT** 10

**OF**

**select** film.**title**,  
 (**select** *sum*(**amount**) **from** payment  
 **INNER JOIN** rental **ON** payment.**rental\_id** = rental.**rental\_id  
 INNER JOIN** inventory **ON** rental.**inventory\_id** = inventory.**inventory\_id  
 where** inventory.**film\_id**=film.**film\_id**) **as** totaalbedrag,  
 *count*(*\**) **as** aantal\_acteurs  
**from** film  
**INNER JOIN** film\_actor **ON** film.**film\_id** = film\_actor.**film\_id  
GROUP BY** film.**title**, totaalbedrag  
**ORDER BY** aantal\_acteurs **DESC  
LIMIT** 10

1. **select country**, (**select** *count*(*\**) **from** city  
    **INNER JOIN** address **ON** city.**city\_id** = address.**city\_id  
    INNER JOIN** customer **ON** address.**address\_id** = customer.**address\_id  
    where** country.**country\_id** = city.**country\_id**) **as** aantal\_klanten  
   **from** country  
   **ORDER BY** aantal\_klanten **DESC  
   LIMIT** 10

**12.**

**select** customer.**customer\_id**, customer.**first\_name**,

customer.**last\_name**, *sum*(**amount**) **as** betaald  
**from** customer  
**INNER JOIN** payment **ON** customer.**customer\_id** = payment.**customer\_id  
WHERE MONTH(payment\_date)** = 7 **AND YEAR(payment\_date) = 2005  
GROUP BY** customer.**customer\_id  
ORDER BY** betaald **DESC  
LIMIT** 10  
  
OF  
  
**select customer\_id**, **first\_name**, **last\_name**,  
 (**select** *sum*(**amount**) **from** payment  
 **where** customer.**customer\_id**=payment.**customer\_id  
 AND payment\_date >=** "2005-07-01"

**AND payment\_date <** "2005-08-01") **as** betaald  
**from** customer  
**ORDER BY** betaald **DESC  
LIMIT** 10