Oefeningen -> oplossingen SELECT (pg. 27 in cursus)

select \*

from leveran

where woonpl in ('Aalsmeer')

select plantennm, art\_code, prijs

from planten

order by plantennm ASC

select plantennm, art\_code, bl\_b

from planten

where bl\_b = 5

select \*

from bestel

where b\_datum >= '1999-03-14'

select art\_code, lev\_code, art\_lev

from offertes

order by art\_code ASC, art\_lev ASC

select \*

from planten

where soort = 'water'

order by hoogte desc

select distinct kleur

from planten

select \*

from planten

where kleur is null

select distinct soort

from planten

select art\_code, plantennm, hoogte, bl\_b

from planten

where soort = 'vast' AND kleur = 'geel'

select \*

from planten

where prijs > 10 AND soort = 'boom'

select \*

from planten

where (bl\_b = 6 and kleur = 'geel') OR (bl\_b = 8 and kleur = 'rood')

select art\_code, plantennm, hoogte

from planten

where hoogte <= 60 AND kleur = 'gemengd'

select \*

from leveran

where woonpl NOT LIKE 'Hillegom'

select art\_code, plantennm, kleur, hoogte

from planten

where kleur = NULL and hoogte = NULL

select art\_code, plantennm

from planten

where bl\_b = 8 AND bl\_e = 10

select art\_code, plantennm

from planten

where bl\_b = 9

select \*

from planten

where soort = 'vast' and prijs between 3 and 5

select \*

from planten

where bl\_b in (3, 4, 9, 10)

select \*

from planten

where plantennm like '%boom%'

select art\_code, plantennm

from planten

where plantennm like '\_ \_n%'

select \*

from planten

where soort IN ('1-jarig', '2-jarig')

select art\_code, plantennm, soort, kleur, hoogte, bl\_b, bl\_e

from planten

where (soort NOT LIKE 'boom' OR 'heester')

AND (hoogte between 100 and 200)

AND (kleur = 'rood' OR 'blauw')

AND (bl\_b < 8)

order by soort asc, plantennm asc

select \*

from planten

where plantennm like '%kruid%' AND soort NOT LIKE 'kruid'

Select art\_code, plantennm

from planten

where plantennm like 'l%e'

Select art\_code, plantennm

from planten

where plantennm like '\_ \_ \_ \_ \_'

Select art\_code, plantennm

from planten

where plantennm LIKE '\_ \_ \_ \_ \_%'

Select \*

from planten

order by prijs asc

limit 10

Oefeningen -> oplossingen SELECT deel 2 (pg.29)

select count(\*) as aantal

from leveran

select avg(prijs) as gem\_prijs\_waterplanten

from planten

where soort like 'water'

select max(hoogte) as hoogste\_plantje

from planten

where soort like 'boom'

select AVG(off\_prijs) as gem, min(off\_prijs) as min, max(off\_prijs) as max

from offertes

where lev\_code = 013

select min(off\_prijs) as min

from offertes

where art\_code = 123

Select bestelnr, art\_lev, aantal \* best\_pr

from bestreg

Select art\_code, plantennm, kleur, hoogte, bl\_b, bl\_e, prijs+(prijs \*0.05)

from planten

where soort like 'heester'

Select sum(bedrag) as TOTAAL

from bestel

where lev\_code = 004

select count(art\_lev) as Aantal\_stuks

from bestreg

select sum((aantal\*best\_pr)) as totaal

from bestreg

where art\_lev like 'B331'

Oefeningen -> oplossingen SELECT deel 3 (pg. 31)

select soort, count(\*) as aantal\_planten

from planten

group by soort

select bestelnr, count(\*)

from bestel

group by bestelnr

select soort, avg(prijs) as gem\_prijs

from planten

group by soort

select soort, kleur, count(\*)

from planten

group by soort, kleur

select kleur, avg(prijs) as gem

from planten

group by kleur

order by gem desc

limit 1

select distinct lev\_code, art\_code, lev\_tijd

from offertes

where lev\_tijd < 18

select soort, avg(prijs) as gem

from planten

where kleur NOT LIKE 'geel'

group by soort

select art\_code, min(off\_prijs) as min, max(off\_prijs) as max

from offertes

group by art\_code

Select soort, avg(prijs) as gem\_prijs, count(\*) as aantal

from planten

group by soort

having count(\*) > 10

1. Ja ☺

Select lev\_tijd, avg(off\_prijs) as gem

from offertes

group by lev\_tijd

Select art\_lev, min(best\_pr) as mini, max(best\_pr) as maxi

from bestreg

group by art\_lev

select bl\_b, hoogte, kleur, plantennm, count(\*)

from planten

group by bl\_b, hoogte, kleur

select soort, min(prijs)

from planten

where bl\_b in (5,6)

group by soort

select (bl\_e - bl\_b) as duurtijd, count(\*)

from planten

group by duurtijd

select round(prijs) as afgerond, count(\*)

from planten

group by afgerond

Oefeningen -> oplossingen SELECT deel 4 (p.37)

1. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) bestelnr, lev\_naam, l\_datum, bedrag from leveran inner join bestel on leveran.lev\_code = bestel.lev\_code  
   \*15
2. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) planten.art\_code, art\_lev, plantennm, lev\_tijd from planten [left](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#function_left) join offertes on planten.art\_code = offertes.art\_code where lev\_tijd < 10  
   \*31
3. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) planten.art\_code, plantennm, art\_lev, lev\_naam, lev\_tijd, off\_prijs, [count](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#function_count)(\*) from planten inner join (offertes inner join leveran on offertes.lev\_code = leveran.lev\_code) on planten.art\_code = offertes.art\_code order by plantennm asc  
   \*218
4. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) planten.art\_code, plantennm, prijs, lev\_code, off\_prijs from planten inner join offertes on planten.art\_code = offertes.art\_code where (prijs - off\_prijs) >= (off\_prijs \* 0.5)  
   \*212
5. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) bestel.bestelnr, art\_code, (off\_prijs - best\_pr) as verschil from offertes inner join (bestel inner join bestreg on bestel.bestelnr = bestreg.bestelnr) on offertes.lev\_code = bestel.lev\_code  
   \*2037
6. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) distinct woonpl from leveran inner join (offertes inner join planten on offertes.art\_code = planten.art\_code) on leveran.lev\_code = offertes.lev\_code where planten.soort [like](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-comparison-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_like) 'vast'  
   \*2
7. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) offertes.art\_code, plantennm, soort, lev\_naam, woonpl from leveran inner join (offertes inner join planten on offertes.art\_code = planten.art\_code) on leveran.lev\_code = offertes.lev\_code where planten.kleur [like](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-comparison-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_like) 'rood' [and](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_and) leveran.woonpl [NOT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_not) [LIKE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-comparison-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_like) 'Aalsmeer' order byplanten.soort, planten.plantennm  
   \*10
8. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) offertes.art\_code, plantennm, [min](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#function_min)(off\_prijs) as min\_prijs from offertes inner join planten on offertes.art\_code = planten.art\_code group by art\_code order by plantennm  
   \*119
9. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) b1.bestelnr, b1.b\_datum, b2.bestelnr, b2.l\_datum from bestel as b1 inner join bestel as b2 on b1.b\_datum = b2.l\_datum  
   \*2
10. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) b1.lev\_code, b1.art\_lev, b2.lev\_code, b2.art\_code from offertes as b1 inner join offertes as b2 on b1.art\_lev = b2.art\_code  
    \*47
11. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) bestelnr, l\_datum, bedrag, 'TE LAAT' as aiaiai from bestel where l\_datum < '1999-04-01' union [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) bestelnr, l\_datum, bedrag, '-----' as aiaiai from bestel where l\_datum > '1999-04-01' order by bestelnr  
    \*15
12. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6) planten.art\_code, plantennm, offertes.lev\_code, 'AALSMEER' as waar\_te\_verkrijgen from planten inner join (leveran inner join offertes on leveran.lev\_code = offertes.lev\_code) on planten.art\_code = offertes.art\_code where leveran.woonpl [like](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-comparison-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_like) 'Aalsmeer' union [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6)planten.art\_code, plantennm, offertes.lev\_code, 'BUITEN AALSMEER' as waar\_te\_verkrijgen from planten inner join (leveran inner join offertes on leveran.lev\_code = offertes.lev\_code) on planten.art\_code = offertes.art\_code where leveran.woonpl [not](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_not) [like](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-comparison-functions.html&server=0&token=b47e0adc2c3c9bb0d9cd689fe3515dc6#operator_like) 'Aalsmeer'  
    \*218

Oefeningen -> oplossingen SELECT deel 5

1. [SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from planten where hoogte > ([SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [AVG](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_avg)(hoogte) from planten)  
   \*21
2. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from planten where prijs > ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [avg](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_avg)(prijs) from planten where soort = 'boom')  
   \*13
3. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from leveran where lev\_code [IN](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcomparison-operators.html&server=0&token=0efee30414f0c3594851584f72443034#function_in) ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) lev\_code from bestel where l\_datum < '1999-04-01') ORDER BY woonpl asc  
   \*7
4. [Select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from offertes where off\_prijs = ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [min](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_min)(off\_prijs) from offertes)  
   \*2
5. [SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from planten where hoogte > 0 [AND](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_and) hoogte < ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [min](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_min)(hoogte) from planten where soort = 'vast' [AND](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_and) hoogte > 0)  
   \*5
6. [SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from planten where hoogte > ([SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [AVG](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_avg)(hoogte) from planten where soort = 'vast') [AND](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_and) prijs < ([SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [AVG](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_avg)(prijs) from planten where soort = 'vast')  
   \*13
7. [SELECT](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from planten where prijs BETWEEN ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [min](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_min)(prijs) from planten where soort = 'klim') [and](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_and) ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [max](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_max)(prijs) from planten where soort = 'klim')  
   \*11
8. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) \* from bestel where bedrag < ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [sum](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_sum)(aantal\*best\_pr) from bestreg where bestreg.bestelnr = bestel.bestelnr)\*0.95  
   \*2
9. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) o1.art\_code, lev\_naam, o1.off\_prijs from offertes o1 inner join leveran on o1.lev\_code = leveran.lev\_code where o1.off\_prijs < ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [avg](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_avg)(o2.off\_prijs) from offertes o2 where o2.art\_code = o1.art\_code) order by o1.art\_code  
   \*68
10. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) bestreg.bestelnr, bestreg.art\_lev, plantennm, best\_pr from planten inner join (offertes o1 inner join (bestreg inner join bestel on bestreg.bestelnr = bestel.bestelnr) on o1.art\_lev = bestreg.art\_lev [AND](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_and) bestel.lev\_code = o1.lev\_code) on planten.art\_code =o1.art\_code where best\_pr > ([select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) [max](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_max)(off\_prijs) from offertes o2 where o2.art\_code = planten.art\_code)  
    \*34

Oefeningen INSERT (p.44)

1. --
2. [insert](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Finsert.html&server=0&token=0efee30414f0c3594851584f72443034) into bestreg [values](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fmiscellaneous-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_values) ('0205', 'C051', 10, 8.15), ('0205', 'B101', 200, 0.4), ('0205', 'B111', 25, 2.03), ('0205', 'G001', 50, 1.30)

Oefeningen UPDATE (p.46)

1. [update](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=0efee30414f0c3594851584f72443034) bestel [set](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fset.html&server=0&token=0efee30414f0c3594851584f72443034) l\_datum = '1999-04-05' where bestelnr = '0191'
2. [update](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=0efee30414f0c3594851584f72443034) offertes inner join planten on offertes.art\_code = planten.art\_code [set](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fset.html&server=0&token=0efee30414f0c3594851584f72443034) off\_prijs = off\_prijs + (off\_prijs\*0.10) where planten.soort = 'bol'

Oefeningen DELETE (p.48)

1. Wanneer select uitvoeren, 14 resultaten  
   [delete](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fdelete.html&server=0&token=0efee30414f0c3594851584f72443034) offertes.\* from offertes inner join planten on offertes.art\_code = planten.art\_code where soort = 'heester' [and](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_and) offertes.lev\_code = '021'
2. Wanneer select: 9 resultaten  
   [delete](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fdelete.html&server=0&token=0efee30414f0c3594851584f72443034) offertes.\*, planten.\* from offertes inner join planten on offertes.art\_code = planten.art\_code where soort = 'water'

Oefeningen CREATE TABLE (p.57)

1. [CREATE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=0efee30414f0c3594851584f72443034) klachten ( klachtnr [tinyint](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fnumeric-types.html&server=0&token=0efee30414f0c3594851584f72443034)(4) auto\_increment primary key, art\_code [char](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-types.html&server=0&token=0efee30414f0c3594851584f72443034)(3) [not](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_not) null, datum [date](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fdate-and-time-types.html&server=0&token=0efee30414f0c3594851584f72443034) [not](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_not) null, klacht [varchar](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-types.html&server=0&token=0efee30414f0c3594851584f72443034)(100) [not](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_not) null, status [char](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-types.html&server=0&token=0efee30414f0c3594851584f72443034)(2) [not](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=0efee30414f0c3594851584f72443034#operator_not) null)  
     
   [insert](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Finsert.html&server=0&token=0efee30414f0c3594851584f72443034) into klachten (art\_code, datum, klacht, status) [values](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fmiscellaneous-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_values) ('316', '1999-03-15', 'Planten (lev\_code 019) verkocht op 14-1-1999 vertoonden bruine plekken na ca. 2 maanden', 'GL')
2. [CREATE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=0efee30414f0c3594851584f72443034) Aanbiedingen [Select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0efee30414f0c3594851584f72443034) planten.art\_code, plantennm, lev\_code, off\_prijs from planten, offertes where planten.art\_code = offertes.art\_code
3. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=0efee30414f0c3594851584f72443034) [table](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=0efee30414f0c3594851584f72443034) OudeBestellingen [LIKE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-comparison-functions.html&server=0&token=0efee30414f0c3594851584f72443034#operator_like) bestel

Oefeningen ALTER (p.59)

1. [ALTER](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) planten add column Voorraad [int](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fnumeric-types.html&server=0&token=0efee30414f0c3594851584f72443034)(4) [default](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fmiscellaneous-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_default) 0
2. [ALTER](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) planten Alter kleur [set](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fset.html&server=0&token=0efee30414f0c3594851584f72443034) [default](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fmiscellaneous-functions.html&server=0&token=0efee30414f0c3594851584f72443034#function_default) 'groen'

Oefeningen INTEGRITEIT EN INDEXEN (p.63)

1. [ALTER](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) offertes add foreign key (art\_code) REFERENCES planten (art\_code) ON [DELETE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fdelete.html&server=0&token=0efee30414f0c3594851584f72443034) CASCADE ON [UPDATE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=0efee30414f0c3594851584f72443034) CASCADE  
     
   [ALTER](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) offertes add foreign key (lev\_code) REFERENCES leveran (lev\_code) ON [DELETE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fdelete.html&server=0&token=0efee30414f0c3594851584f72443034) CASCADE ON [UPDATE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=0efee30414f0c3594851584f72443034) CASCADE  
     
   [ALTER](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) bestel add foreign key (lev\_code) REFERENCES leveran (lev\_code) ON [DELETE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fdelete.html&server=0&token=0efee30414f0c3594851584f72443034) CASCADE ON [UPDATE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=0efee30414f0c3594851584f72443034) CASCADE  
     
   [ALTER](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) [TABLE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=0efee30414f0c3594851584f72443034) bestel ADD PRIMARY KEY (bestelnr)  
     
   #1215 - Cannot add foreign key constraint
2. [CREATE](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-index.html&server=0&token=0efee30414f0c3594851584f72443034) [INDEX](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-index.html&server=0&token=0efee30414f0c3594851584f72443034) BSRIDX01 on bestreg(art\_lev, bestelnr)
3. ---

Oefeningen VIEW (p.66)

1. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) vastlaag as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) \* from planten where soort = 'vast' [and](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#operator_and) hoogte < 15  
   \*1
2. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) gem\_o\_pr as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) art\_code, [min](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#function_min)(off\_prijs) as min\_off, [max](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#function_max)(off\_prijs) as max\_off, [avg](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fgroup-by-functions.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#function_avg)(off\_prijs) as gem\_off from offertes group by art\_code  
   \*107
3. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) lev014 as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) offertes.art\_code, plantennm, art\_lev, off\_prijs, prijs from offertes inner join planten on offertes.art\_code = planten.art\_code where lev\_code = '014'  
   \*30
4. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) bomen as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) art\_code, plantennm, hoogte, prijs from planten where soort = 'boom'  
   \*17
5. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) planten\_ib as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) bestelnr, bestreg.art\_lev, plantennm from bestreg inner join (offertes inner join planten on offertes.art\_code = planten.art\_code) on bestreg.art\_lev = offertes.art\_lev  
   \*108
6. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) zomerplanten as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) art\_code, plantennm, soort, prijs from planten where bl\_b between 6 [and](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Flogical-operators.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#operator_and) 8  
   \*64
7. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) Overzicht\_Lisse as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) \* from leveran where woonpl = 'Lisse'  
   \*4