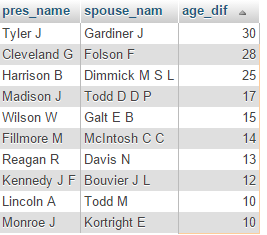
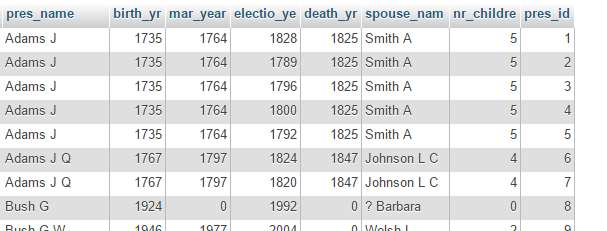
Eindoefening SQL

1. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) pres\_name, birth\_yr from presiden  
   \*42
2. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) state\_born from presiden group by state\_born  
   \*19
3. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) state\_name from state where state\_name [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=e46cfbd89bf7f7d3e4a1d271c880fce2#operator_like) 'new%' [or](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_or) state\_name [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=e46cfbd89bf7f7d3e4a1d271c880fce2#operator_like) '%ia'  
   \*10
4. [Delete](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fdelete.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) from state where state\_name [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=e46cfbd89bf7f7d3e4a1d271c880fce2#operator_like) 'New Georgia' Limit 1
5. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) pres\_name, spouse\_nam, (pr\_age - sp\_age) as age\_dif from pres\_mar where pr\_age >= sp\_age order by age\_dif desc limit 10  
   
6. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) p1.pres\_name, birth\_yr, (birth\_yr + death\_age) as death\_yr from presiden p1 [left](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-functions.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#function_left) join pres\_mar p2 on p2.pres\_name = p1.pres\_name where p2.pres\_name [is](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcomparison-operators.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#operator_is) null  
   \*1
7. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) state\_name, [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=e46cfbd89bf7f7d3e4a1d271c880fce2#function_count)(state\_born) as aantal from state [left](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fstring-functions.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#function_left) join presiden on state.state\_name = presiden.state\_born group by state\_name order by state\_name desc  
   \*50
8. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) presiden.pres\_name, [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=e46cfbd89bf7f7d3e4a1d271c880fce2#function_count)(vice\_pres) as aantal from administ inner join presiden where presiden.pres\_name = vice\_pres group by pres\_name  
   \*14
9. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) administ.pres\_name, year\_inaug, (year\_inaug + yrs\_serv) as yr\_out from administ inner join presiden on administ.pres\_name = presiden.pres\_name where 1888 between year\_inaug [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) (year\_inaug + yrs\_serv) group by administ.pres\_name order by year\_inaug  
   \*1 – Cleveland G
10. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [table](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) familie [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) presiden.pres\_name, birth\_yr, mar\_year, electio\_ye, (birth\_yr + death\_age) as death\_yr, spouse\_nam, nr\_childre from presiden inner join (pres\_mar inner join election on election.candidate = pres\_mar.pres\_name) on presiden.pres\_name =pres\_mar.pres\_name order by presiden.pres\_name asc  
    \*81
11. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [table](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) familie [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) presiden.pres\_name, birth\_yr, mar\_year, electio\_ye, [if](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcontrol-flow-functions.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#function_if) (death\_age <> 0, birth\_yr + death\_age, 0) as death\_yr, spouse\_nam, nr\_childre from presiden inner join (pres\_mar inner join election on election.candidate = pres\_mar.pres\_name) onpresiden.pres\_name =pres\_mar.pres\_name order by presiden.pres\_name asc  
    \*81
12. [Alter](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [table](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) familie add column pres\_id [int](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fnumeric-types.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2)(5) auto\_increment primary key  
      
    [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-index.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [index](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-index.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) i\_namen on familie(pres\_name)  
      
    !!! Je kan per keer slechts één veld of index toevoegen of verwijderen (p.58 in cursus)
13. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [table](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) hobbies [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=e46cfbd89bf7f7d3e4a1d271c880fce2#operator_like) pres\_hob
14. [insert](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Finsert.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) into hobbies [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 pres\_hob  
    \*62
15. [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) pres\_name from hobbies where pres\_name [NOT](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_not) [IN](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcomparison-operators.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2#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=e46cfbd89bf7f7d3e4a1d271c880fce2) pres\_name from presiden)  
    \*5  
    [update](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) hobbies [set](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fset.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) pres\_name = 'Bush G W' where pres\_name = 'Bush'  
    [update](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) hobbies [set](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fset.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) pres\_name = 'Hayes R B' where pres\_name = 'Hayens R B'  
    !! Updates elk apart want maar 1 per keer mogelijk
16. [Alter](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) [table](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Falter-table.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) hobbies add column pres\_id [int](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fnumeric-types.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2" \t "mysql_doc)(5)  
      
    [update](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fupdate.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) hobbies inner join familie on familie.pres\_name = hobbies.pres\_name [set](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fset.html&server=0&token=e46cfbd89bf7f7d3e4a1d271c880fce2) hobbies.pres\_id = familie.pres\_id  
    
17. To do
18. [create](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=0e9291e463e0be150f538566663ad312) [view](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fcreate-view.html&server=0&token=0e9291e463e0be150f538566663ad312) hobbies\_overzicht as [select](http://localhost/phpmyadmin/url.php?url=http%3A%2F%2Fdev.mysql.com%2Fdoc%2Frefman%2F5.5%2Fen%2Fselect.html&server=0&token=0e9291e463e0be150f538566663ad312) hobby, pres\_name from pres\_hob order by hobby desc  
    \*62

alter table familie

add foreign key (pres\_id)

references hobbies(pres\_id)

on delete restrict

on update cascade