O3

1)

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DISTINCT category\_name FROM categories WHERE category\_id [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_in) ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) category\_id FROM products)

2)

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) product\_name, list\_price FROM products WHERE list\_price > ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_avg)(list\_price) FROM products) ORDER BY list\_price DESC

3)

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) category\_name FROM categories WHERE [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) EXISTS ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) category\_id FROM products WHERE category\_id = categories.category\_id)

4)

SELECT c.email\_address, o.order\_id, MAX(item\_price - discount\_amount) AS total

FROM customers c

JOIN Orders o ON

c.customer\_id = o.customer\_id

JOIN order\_items oi ON

o.order\_id = oi.order\_id

GROUP BY email\_address

ORDER BY total DESC

5)

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) p1.product\_name, p1.discount\_percent FROM products AS p1 WHERE p1.discount\_percent [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) [IN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_in) ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) p2.discount\_percent FROM products AS p2 WHERE p1.product\_name <> p2.product\_name) ORDER BY product\_name

6)

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) email\_address, order\_id, order\_date FROM customers c JOIN orders o ON c.customer\_id = o.customer\_id WHERE o.order\_date =( [SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [MIN](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_min)(order\_date) FROM orders WHERE order\_id = o.order\_id ) ORDER BY order\_date

7)

INSERT INTO customers(`email\_address`,`password`,`first\_name`,`last\_name`) VALUES ('rick@raven.com','','Rick','Raven')

8)

[UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/update.html) customers [SET](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/set.html) `password` = 'secret' WHERE `email\_address` = 'rick@raven.com'

9)

[UPDATE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/update.html) customers [SET](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/set.html) [password](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/encryption-functions.html#function_password) = 'reset'