

:

Web

DBA

(

SQL )

SQL

MySQL

Web

1.

MySQL  
MySQL

MySQL

SQL

NOW()

RAND()

CURDATE()

MySQL

SQL

MySQL

## 2. EXPLAIN SELECT

EXPLAIN

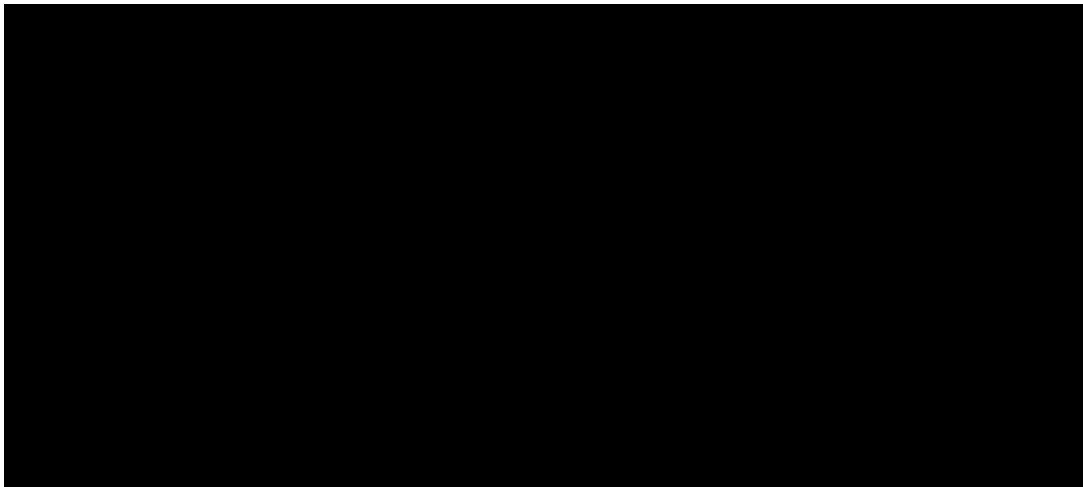
MySQL

SQL

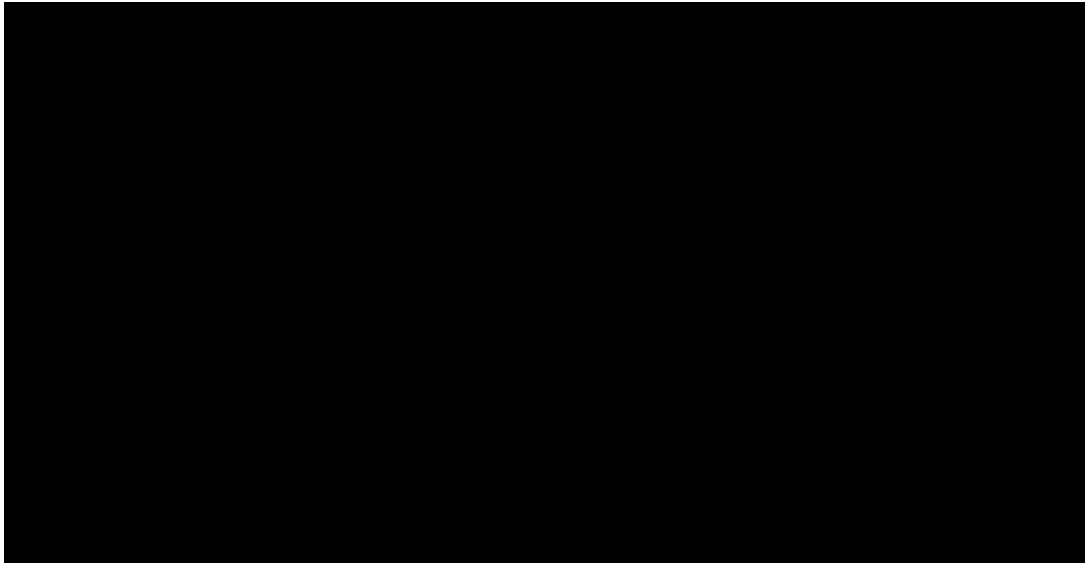
EXPLAIN

.....

```
EXPLAIN SELECT (
    phpmyadmin
    group_id
```



group\_id



9 16 rows 7883

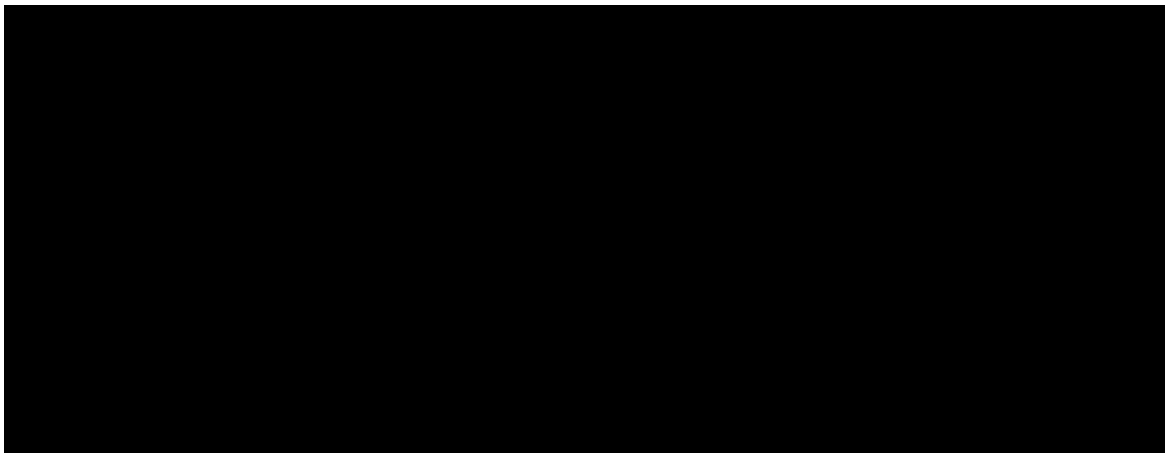
3. LIMIT 1

fetch

LIMIT 1 MySQL

( " " Select \* Select 1)

4.



" last\_name LIKE ' a%' "

4

' %apple%' "

(

Tag

)

" WHERE post\_content LIKE  
MySQL

## 5. Join

MySQL JOIN SQL Join  
Join  
DECIMAL STRING  
Join  
INT Join MySQL  
(

## 6. ORDER BY RAND()

? ?  
N  
MySQL  
RAND() ( CPU )  
Limit 1 ( )

7.       SELECT \*

WEB

8.                               ID

INT	(	UNSIGNED)	ID	AUTO_INCREMENT
-----	---	-----------	----	----------------

```
users      " email "
VARCHAR
ID
```

## MySQL

• • • • •

				"	"	"	"	
"		"	"	ID	"	"		ID
"	"	"	"					
ID	ID	"	"					

## 9. ENUM VARCHAR

ENUM TINYINT

```

"      "      "      "      "      "      "      "
VARCHAR                                     ENUM

```

```
MySQL " " ( )
VARCHAR ENUM
PROCEDURE ANALYSE()
```

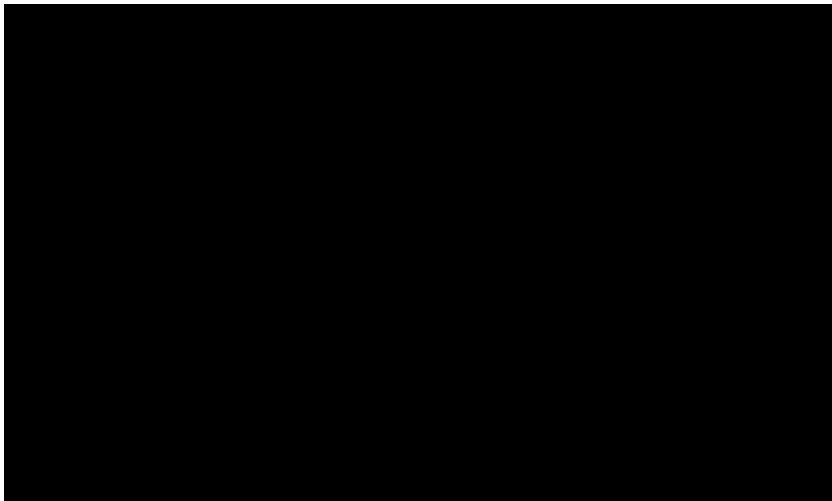
## 10. PROCEDURE ANALYSE()

PROCEDURE ANALYSE() MySQL

INT  
PROCEDURE ANALYSE()  
VARCHAR  
ENUM  
MEDIUMINT

phpmyadmin  
structure"

" Propose table



## 11. NOT NULL



NOT NULL
 NULL

(
 0
NULL)?
" Empty"
" NULL"
(
INT
NULL
!)

Oracle
NULL
Empty

NULL
NULL
NULL

## 12. Prepared Statements

Prepared Statements
 SQL

prepared statements

Prepared Statements
 " SQL "

framework
 ORM

Prepared Statements
 MySQL

MySQL
 Prepared Statements

## Prepared Statements

5.1

PHP

prepared statements  
PDO.

mysql i

13.

SQL

SQL

mysql\_unbuffered\_query()  
mysql\_query()      fetch

SQL

MySQL

mysql\_num\_rows()

IP

WHERE

UNSIGNED INT	IP	32
--------------	----	----

IP      IP  
IP      PHP

" "

```

" static"
VARCHAR TEXT
"

```

MySQL

MySQL

" " ( )

16.

" " (

100 )

Users

?

ID

" last\_login"

ID

Join

17. DELETE INSERT

DELETE INSERT

Apache

30  
WEB Crash / 30

LIMIT

18.

## MySQL Storage Requirements

INT ( MEDIUMINT, SMALLINT, TINYINT  
DATE DATETIME

TABLE Slashdot (2009 11 06 ) ALTER  
3

19.

MySQL MySQL: InnoDB MyISAM InnoDB  
MyISAM?

MyISAM update MyISAM SELECT COUNT(\*)

InnoDB  
MyISAM " "

MySQL

target=" \_blank" MyISAM Storage Engine

InnoDB Storage Engine

## 20. (Object Relational Mapper)

ORM (Object Relational Mapper)  
ORM

ORM " Lazy Loading"

ORM SQL

PHP ORM Doctrine

## 21. " "

" " MySQL

Apache  
Apache MySQL HTTP

PHP mysql\_pconnect()

( )

Apache

"

"

"

"