# Analyzing MySQL FLOAT (Select Video Selections)

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#### **Database Size**

[RunCommands] Connect is Fin!

+----+

### Table Size

#### Count

```
focal@focal:~/My_Programming/HowBigIsBigData$ ./01_RunSQLCommands.sh count
[RunCommands] Sending Cmd: <USE db_test; SELECT COUNT(*) FROM tbl_test;>
+-----+
| COUNT(*) |
+-----+
| 1000010 |
+-----+
| RunCommands] Connect is Fin!
```

## Top-Ten

```
focal@focal:~/My_Programming/HowBigIsBigData$ ./01_RunSQLCommands.sh top-ten
[RunCommands] Sending Cmd: <USE db_test; SELECT * FROM tbl_test LIMIT 10;>
```

	id		value	
+	0x027730116D3AE157451427E0E26B1F9A 0x0558DAB76F7A956C092A4F4D26C5999B 0x0587B833A45753042A9B256128AC096F 0x05BC459AF08764C8AF06B3C4A8259B2B 0x0654E62B2C21CAB27678B26EFD4F376E 0x07966A22466DEBA6107EEE560EDCF370 0x1000040A1FFCF6C3C50DEB62D55BF2D3	-+· 	11261447241728.000000 69431074816.000000 377148604416.000000 -36285706240.000000 4648223637504.000000 1447788281856.000000 664200347648.000000	+
+	0x100009B87D6B82F46998F7B63D0EFDAD 0x10000C37F45C0857E245E38494018134 0x100020FF3ED8C7D4BAC1287E94FC3D03	      -+-	-285973552300032.000000 -1538523791360.000000 -4386588983296.000000	      -+

[RunCommands] Connect is Fin!

#### Direct Table Access - Size

```
root@focal:/var/lib/mysql/db_test# ls -lahtr
total 77M
drwxr-x--- 2 mysql mysql 4.0K Nov 7 02:55 .
drwx----- 7 mysql mysql 4.0K Nov 7 19:15 ..
-rw-r---- 1 mysql mysql 76M Nov 8 01:22 tbl_test.ibd
```

#### VIDEO Test

```
focal@focal:~/My_Programming/HowBigIsBigData$ sudo su
root@focal:/home/focal/My_Programming/HowBigIsBigData# ls /var/lib/mysql/db_test/ -alhtr
total 120K
drwx----- 7 mysql mysql 4.0K Nov 7 19:15 ...
drwxr-x--- 2 mysql mysql 4.0K Nov 8 03:04 .
-rw-r---- 1 mysql mysql 112K Nov 8 03:04 tbl_test.ibd
mysql> SELECT COUNT(*) FROM tbl_test;
+----+
| COUNT(*) |
+----+
| 1000000 |
+----+
1 row in set (0.13 sec)
mysql> SELECT * FROM tbl_test LIMIT 15;
| value
| 0x027730116D3AE157451427E0E26B1F9A | 11261447241728.000000 |
| 0x0558DAB76F7A956C092A4F4D26C5999B | 69431074816.000000 | 0x0587B833A45753042A9B256128AC096F | 377148604416.000000 | 0x05BC459AF08764C8AF06B3C4A8259B2B | -36285706240.000000 |
```

```
0x0654E62B2C21CAB27678B26EFD4F376E |
                                   4648223637504.000000 |
| 0x07966A22466DEBA6107EEE560EDCF370 |
                                   1447788281856.000000 |
0x1000040A1FFCF6C3C50DEB62D55BF2D3 |
                                   664200347648.000000
| 0x100009B87D6B82F46998F7B63D0EFDAD | -285973552300032.000000 |
| 0x100020FF3ED8C7D4BAC1287E94FC3D03 | -4386588983296.000000 |
0x10002B7B23A079F32FF7945B64348AAC |
                                   -122009010176.000000 |
                                   745080619008.000000 |
| 0x10002C8F5D737C072A9A517C32F2A66C |
| 0x10002F0530FBCBB35BD8E16A6137601F |
                                    281773768704.000000 |
| 0x10003C386A34D24742A53242E1953146 | -39988418838528.000000 |
root@focal:/home/focal/My_Programming/HowBigIsBigData# ls /var/lib/mysql/db_test/ -alhtr
total 77M
drwx----- 7 mysql mysql 4.0K Nov 7 19:15 ...
drwxr-x--- 2 mysql mysql 4.0K Nov 8 03:04 .
-rw-r---- 1 mysql mysql 76M Nov 8 03:06 tbl_test.ibd
(Roughly 146% increase in mysql vs. csv)
```