Subject: Using SQL Aggregate Functions
Posted by melvinsdb on Thu, 13 Mar 2008 10:58:09 GMT
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Hi Sir Tony,

I was trying to use the framework to get MAX (`student_id`) from the crs_student table using getdata_raw setting $this->sql_select. First, it required using the "GROUP BY", but I still I keep getting unexpected results.

in MySQL --> SELECT MAX (`student_id`) AS last_id FROM `crs_student`

in Radicore
$this->sql_select = "MAX (`student_id`) AS last_id"
$rows=$this->getdata_raw("");
$rows[0]['last_id'] <-- expecting to contain largest student_id

---
Result is not the largest ID.

How can I use aggregate functions in the getdata series or am I doing things the wrong way and making faulty assumptions?

THanks again.

Melvin

Subject: Re: Using SQL Aggregate Functions
Posted by AJM on Thu, 13 Mar 2008 11:41:33 GMT
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If you look inside the _cm_getInitialData() method of file crs_student.class.inc you will see that I use the following code:

$count = $this->getCount("SELECT max(student_id) FROM $this->tablename");
$fieldarray['student_id'] = $count + 1;

I have also tried the following code with exactly the same result:

$this->sql_select = "MAX(student_id) AS last_id";
$rows=$this->getdata_raw();
$count = $rows[0]['last_id'];

I prefer the first method as it requires less code.

Subject: Re: Using SQL Aggregate Functions
Posted by melvinsdb on Wed, 26 Mar 2008 01:19:37 GMT
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While I prefer the same option, unfortunately some cases use keys mixing alpha and trailing numeric. I did try to use the second suggestion but got this...

2008-03-26 01:15:28

Fatal Error: MySQL error: 1140 - Mixing of GROUP columns (MIN(),MAX(),COUNT(),...) with no GROUP columns is illegal if there is no GROUP BY clause (# 1140).

SQL query: SELECT SQL_CALC_FOUND_ROWS MAX(`student_id`) AS student_id, crs_class.class_name FROM crs_student LEFT JOIN crs_class ON (crs_class.class_id=crs_student.class_id)

Error in line 451 of file 'E:\xampp\htdocs\radicore\includes\dml.mysqli.class.inc'.

Host Info: localhost via TCP/IP
Server Version: 5.0.51
Client Info: 5.0.51, Client Encoding: latin1

Script: /radicore/classroom/student_add.php

I decided to include a $this->sql_groupby = "...." to make it work. but this is just a temporary measure

Thanks

Subject: Re: Using SQL Aggregate Functions
Posted by AJM on Wed, 26 Mar 2008 10:20:08 GMT
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That query was not generated by my default code, so where did it come from?

Subject: Re: Using SQL Aggregate Functions
Posted by melvinsdb on Thu, 27 Mar 2008 06:27:05 GMT
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Yes, I found the cause.

I was using getdata() instead of getdata_raw as you suggested.

Thanks

Subject: Re: Using SQL Aggregate Functions
Posted by AJM on Thu, 27 Mar 2008 11:11:25 GMT
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Why don't you use the getCount() method? This was purposely designed for obtaining a single aggregate value, and is easier to use than the getData_raw() method.

Subject: Re: Using SQL Aggregate Functions
Posted by melvinsdb on Fri, 04 Apr 2008 06:35:23 GMT
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Thanks for the suggestion. Unfortunately, the creation of an ID follows a particular string formula based on the last or largest existing ID. All resolved now.

Subject: Re: Using SQL Aggregate Functions
Posted by AJM on Fri, 04 Apr 2008 09:21:26 GMT
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But surely this is what the following code does:

$last_id = $this->getCount("SELECT max(student_id) FROM $this->tablename");