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## How to make MySQL table primary key auto increment with some prefix

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asked 3 years, 9 months ago

viewed 220922 times

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I have table like this

```
table
id Varchar(45) NOT NULL AUTO_INCREMENT PRIMARY KEY,
name CHAR(30) NOT NULL,
```

37

I want to increment my id field like 'LHPL001', 'LHPL002', 'LHPL003' ... etc. What should I have to do for that? Please let me know any possible way.

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mysql auto-increment

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edited Jul 10 '14 at 21:51



Chris Cirefice

1,451 4 17 48

asked Jul 27 '13 at 3:38



Vijay

3,583 6 29 59

8 @DevIshOne The answers on your posted Duplicate are totally 100% useless! – JasonDavis Oct 1 '14 at 3:57

@DevIshOne I can't imagine why you said it's a duplicate! :D – Kasun Randika Feb 10 '16 at 17:05

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### 3 Answers

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74

If you really need this you can achieve your goal with help of separate table for sequencing (if you don't mind) and a trigger.

#### Tables

```
CREATE TABLE table1_seq
(
  id INT NOT NULL AUTO_INCREMENT PRIMARY KEY
);
CREATE TABLE table1
(
  id VARCHAR(7) NOT NULL PRIMARY KEY DEFAULT '0', name VARCHAR(30)
);
```

#### Now the trigger

```
DELIMITER $$
CREATE TRIGGER tg_table1_insert
BEFORE INSERT ON table1
FOR EACH ROW
BEGIN
  INSERT INTO table1_seq VALUES (NULL);
  SET NEW.id = CONCAT('LHPL', LPAD(LAST_INSERT_ID(), 3, '0'));
END$$
DELIMITER ;
```



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1

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[MySQL Triggers - Year-Month\(YYMM\) Prefix + Auto Increment ID](#)

Then you just insert rows to table1

```
INSERT INTO Table1 (name)
VALUES ('Jhon'), ('Mark');
```

And you'll have

ID	NAME
LHPL001	Jhon
LHPL002	Mark

Here is [SQLFiddle](#) demo

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answered Jul 27 '13 at 4:26



[peterm](#)

62.2k 5 79 90

1 Excellent, it works like a charm – [josemaria](#) Jul 3 '15 at 9:10

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8 Create a table with a normal numeric auto\_increment ID, but either define it with `ZEROFILL`, or use `LPAD` to add zeroes when selecting. Then `CONCAT` the values to get your intended behavior. Example:

```
create table so (
  id int(3) unsigned zerofill not null auto_increment primary key,
  name varchar(30) not null
);
```

-2

Is it possible users can get same unique generated ID at the same time?

2

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varchar and auto increment together

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Get the new record primary key ID from mysql

```
insert into so set name = 'John';
insert into so set name = 'Mark';

select concat('LHPL', id) as id, name from so;
+-----+-----+
| id      | name |
+-----+-----+
| LHPL001 | John |
| LHPL002 | Mark |
+-----+-----+
```

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answered Mar 2 '15 at 21:56



Fluffy

11.2k 24 93 189

Initially I was thinking of storing the LHPL as a separate column then concat it by concat(col1,col2) but then it will be a pain in the S when someday I need to change the LHPL. So I guess I will be doing it in the program server side. – 4 Leave Cover Feb 16 at 8:19

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0

I know it is late but I just want to share on what I have done for this. I'm not allowed to add another table or trigger so I need to generate it in a single query upon insert. For your case, can you try this query.



0

```
CREATE TABLE YOURTABLE (
IDNUMBER VARCHAR(7) NOT NULL PRIMARY KEY,
ENAME VARCHAR(30) not null
);
```

Perform a select and use this select query and save to the parameter @IDNUMBER

```
(SELECT IFNULL
(CONCAT('LHPL',LPAD(
(SUBSTRING_INDEX
(MAX(`IDNUMBER`), 'LHPL',-1) + 1), 5, '0')), 'LHPL001')
AS `IDNUMBER` FROM YOURTABLE ORDER BY `IDNUMBER` ASC)
```

And then Insert query will be :

insert query?

0

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-1

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```
INSERT INTO YOURTABLE (IDNUMBER, ENAME) VALUES
(@IDNUMBER, 'EMPLOYEE NAME');
```

The result will be the same as the other answer but the difference is, you will not need to create another table or trigger. I hope that I can help someone that have a same case as mine.

share improve this answer

edited Mar 10 at 5:39

answered Mar 10 at 2:37



yham

145 1 5

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protected by Community ♦ Jan 12 '15 at 7:30

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