drop table if exists sequence;

create table sequence (

name varchar(50) not null,

current\_value int not null,

increment int not null default 1,

primary key (name)

)

engine=innodb;

insert into sequence values ('movieseq',3,5);

drop function if exists currval;

delimiter $

create function currval (seq\_name varchar(50)) returns integer

contains sql

begin

declare value integer;

set value = 0;

select current\_value into value

from sequence

where name = seq\_name;

return value;

end$

delimiter ;

drop function if exists nextval;

delimiter $

create function nextval (seq\_name varchar(50)) returns integer

contains sql

begin

update sequence

set current\_value = current\_value + increment

where name = seq\_name;

return currval(seq\_name);

end$

delimiter ;

drop function if exists setval;

delimiter $

create function setval (seq\_name varchar(50), value integer) returns integer

contains sql

begin

update sequence

set current\_value = value

where name = seq\_name;

return currval(seq\_name);

end$

delimiter ;

select nextval('movieseq');

select nextval('movieseq');

select nextval('movieseq');

select currval('movieseq');

select currval('x');

select setval('movieseq',150);

select curval('movieseq');

select nextval('movieseq');