

OBJECTIVES

Stored Function In SQL



```
drop function if exists precourse cnt f;
DELIMITER $$
create function precourse_cnt_f(acourseid varchar(8))
returns integer
reads sql data
begin
 declare cnt integer;
 select count(*) into cnt from prereq where course id=acourseid;
 return cnt;
end$$
```

CALL FUNCTION

In mysql workbench
 set @course_id='958';
 select precourse_cnt_f(@course_id) into @cnt;
 select @cnt;

CALL FUNCTION

In sql functions and procedures
 declare course_id varchar(10);
 select '958' into course_id;
 select precourse_cnt_f(course_id);

```
import pymysql
conn = pymysql.connect(host='localhost',
user='mydbuser',password='iammydbuser',database='dblabtest',charset='utf8')
cursor = conn.cursor()
alnCourse_id = '958'
cursor.execute('select precourse_cnt_f(%s)', (aInCourse_id))
retdata = cursor.fetchall()
cnt=0
for row in retdata:
   cnt=cnt+1
   print("%s" %(row[0]))
cursor.close()
conn.close()
```

RETURNS IN FUNCTION

- RETURNS {STRING | INTEGER | REAL | DECIMAL }
- Function does not support returns a dataset (i.e. table)

