# 数据库第六次作业

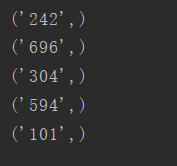
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1. 源码

import pymysql  
  
db = pymysql.**connect**('localhost', 'test', 'fanqiliang123456', 'exercise', 3306);  
cur = db.**cursor**()  
  
cur.**execute**('''drop procedure pre\_search;''')  
cur.**execute**('''  
create procedure *pre\_search*(in course varchar(8))  
 deterministic  
 reads sql data  
begin  
 with recursive pre\_table(pre\_id) as (  
 select prereq\_id  
 from prereq  
 where course\_id=course  
 union  
 select prereq\_id  
 from prereq,pre\_table  
 where prereq.course\_id=pre\_id  
 )  
 select \*  
 from pre\_table;  
end;  
  
''')  
  
cur.**execute**('call pre\_search(362);')  
  
data = cur.**fetchall**()  
  
for d in data:  
 print(d)

1. 运行结果



如图，得到了course\_id为362的所有直接或间接前导课程，共有五个。

1. 学会了procedure相关的操作，更加深了对递归视图的理解，也明白了，有时候自己苦思冥想，终比不上从书上学的多。