

OBJECTIVES

- PROCEDURE
- Drawing Figure In Python
- A Lab



PROCEDURE EXAMPLE



EXAMPLE: MYSQL PROCEDURE

```
DROP PROCEDURE IF EXISTS sp_proc_instructor;
   DELIMITER;;
   CREATE PROCEDURE sp_proc_instructor(IN deptName varchar(20), OUT cnt int)
   BEGIN
     IF deptName is null THEN
      select count(*) into cnt from instructor;
       ELSE
      select count(*) into cnt from instructor where dept_name=deptName;
     END IF;
   /* select * from instructor where dept_name=deptName; */
   END;;
   DELIMITER;
©LXD
```

EXAMPLE: MYSQL PROCEDURE

set @deptName='Comp. Sci.';
call sp_proc_instructor(@deptName,@mycnt);
select @mycnt as cnt;

Drawing Figure In Python

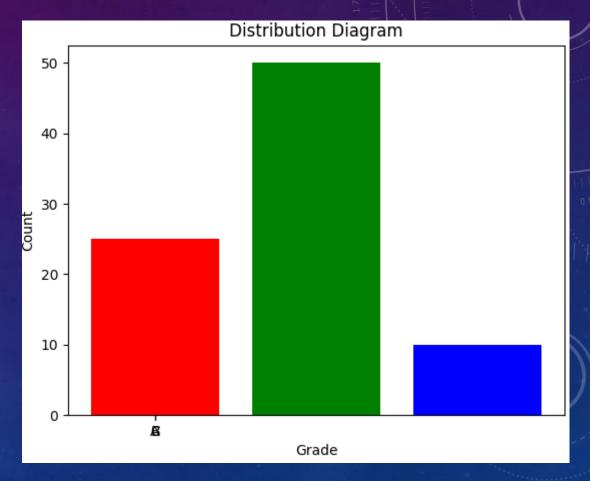


DRAWING FIGURE IN PYTHON

- (in ubuntu)
 sudo apt-get install python3-tk
- pip3 install numpy
- pip3 install tkinter
- pip3 install matplotlib

DRAWING FIGURE IN PYTHON

```
import matplotlib.pyplot as plt
name_list =['C','B','A']
index =[0 for i in range(len(name_list))]
cnt_list = []
cnt_list.append(25)
cnt_list.append(50)
cnt_list.append(10)
plt.bar(range(len(cnt_list)), cnt_list, color='rgby')
plt.xticks(index, name_list)
```



plt.show() ©LXD

DRAWING FIGURE IN PYTHON

import matplotlib.pyplot as plt

labels = ['A', 'B', 'C']

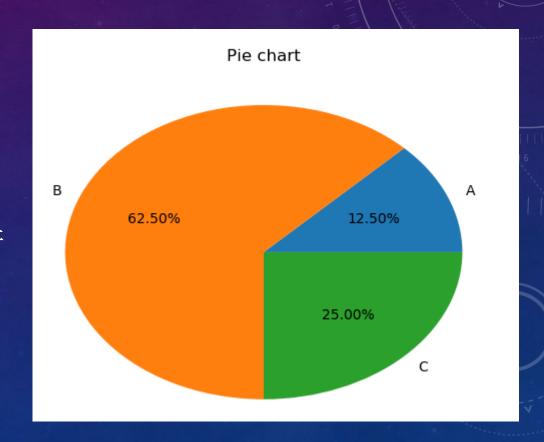
X = [10, 50, 20]

fig = plt.figure()

plt.pie(X, labels=labels, autopct='%1.2f%%')#画饼图(数据,数据对应的标签,百分数保留两位小数点)

plt.title("Pie chart")

plt.show()



QUZI 1

- 1. 统计如下指定学年、学期、实例号、课程号的课程(区分不同学年学期)的成绩分布情况并画图显示:
 - course_id='192'
 - sec_id=1 and semester='Fall' and year=2002
- 具体分类标准X
 - A+, A-, B+, B-, C+, C-, D+, D-, 其它
 - · 上述统计X, 若没有的默认是0值