

# 第二次实验

## 1、打印99乘法表

```
for row in range(1, 10):
    for col in range(1, row + 1):
        print("%d*%d=%2d" % (col, row, col * row), end=' ')
    print("")
```

## 2、输入a和n，求s=a+aa+aaa+...na...,

a表示数值，n表示数量，如a=3，n=5，则求出3+33+333+3333+33333的值

```
a = int(input("请输入一个数值: "))
count = int(input("请输入项的个数: "))
list1 = []
res = 0
a = str(a)
for i in range(1, count + 1):
    list1.append(int(a * i))
    print(list1[i - 1], end=" ")
    if i < count:
        print("+", end=" ")
for j in list1:
    res += j
print("=", res)
```

## 3、输入某年某月某日，判断这一天是这一年的第几天？

```
year = int(input("请输入年份: "))
month = int(input("请输入月份: "))
while month < 1 or month > 12:
    print("月份输入错误哦，请重新输入")
    month = int(input("请输入月份: "))
day = int(input("请输入日: "))

day += (month - 1) * 30
if month < 9:
    day += month // 2
else:
    day += (month + 1) // 2

if month > 2:
    if year % 400 == 0 or year % 4 == 0 and year % 100 != 0:
        day -= 1
    else:
        day -= 2

print("这天是一年的第%d天" % day)
```