**实验报告**

**学号：117060400129** **姓名**： 李娟 **班级：** 应用统计一班  **指导老师：** 林卫中

**实验名称**： 习题练习

**实验要求：熟练应用程序做题**

**实验题目：习题5.1~5.5**

**算法实现：5.1**

def tbedge(n):

s = '+ - - - -'

print(s\*4 + "+")

def redge(n):

s = '| '

print(s\*4 + "|")

def matts(n):

for i in range(5\*n+1):

if i % 5 == 0:

tbedge(n)

else:

redge(n)

matts(4)

**5.2**

def isOdd(n):

if n%2 == 1:

return Ture

else:

return False

while Ture:

n = eval(input("enter an Integer:"))

if n == 0:

print("program is over")

break

if isOdd(n):

print("{} is odd".format(n))

else:

print("{} is even".format(n))

**5.3**

def isNum(str):

try:

n = eval(s)

except:

return False

return true

while True:

s = input("Enter a string")

if isNum(s):

print("{} is a number".format(s))

if s == 'over':

print("program is over!")

break

**5.4**

def multi(\*a):

if len(a) == 0:

return 0

t =1

for i in a:

t = t \* i

return t

print(multi())

**5.5**

def isPrime(n):

if n <= 1:

return False

for i in range(2, n):

if n % i == 0:

return False

return Ture

**实验结果：5.1**

