实验一 1.伪代码

Declare Number As Float

Write”input a number

Input number

If number≥0

If number==0 then

Print”zero

Else

Print”positive

Else

Print”negative”

End If

Python代码

This is a program to judge whether a number is positive or negative or zero

number = int(input("Enter a number:"))

input the number you want to judge

if (number>=0):

if (number==0):

print("Zero")

else:

print("Positive")

else:

print("Negative")

2.伪代码

Declare Taxable income As Float

Declare Tax Rate As Float

Declare Tax As Float

Write”input Taxable income

Input Taxable income

If Taxable income＜0 Then

Write”You can not input a negative number”

If (Taxable income≥0)AND（Taxable income≤50000）Then

Set Tax Rate=0.05

Set Tax= Taxable income\* Tax Rate

Else

If (Taxable income＞50000)AND(Taxable income≤100000)

Set Tax Rate=0.07

Set Tax=2500+( Taxable income-50000)\* Tax Rate

Else

Set Tax Rate=0.09

Set Tax=6000+( Taxable income-100000)\* Tax Rate

End If

End If

Print Tax

Python 代码

This program is used to calculate tax

Taxable income=int(input(“Enter Taxable income:”))

Get the user’s Taxable income

If Taxable income＜0

Print(“You can not input a negative number”)

Prevent the user from inputing a negative number mistakenly

if(Taxable income＞=0)and(Taxable income＜=50000）

Tax Rate=0.05

Tax= Taxable income\* Tax Rate

Calculate the tax

else

if (Taxable income＞50000)AND(Taxable income＜=100000)

Tax Rate=0.07

Tax=2500+( Taxable income-50000)\* Tax Rate

Else

Tax Rate=0.09

Tax=6000+( Taxable income-100000)\* Tax Rate

Print(“Tax”)

实验二1.伪代码

程序

Declare Sum As Integer

Declare Count As Integer

Declare Number As Integer

Set Count=1

Set Sum=0

Repeat

Write “Enter an integer:”

Input Number

Set sum=sum+Number

Set count=count+1

Until Count=6

Write”The sum is“+Sum

修改后伪代码

Declare Sum As Integer

Declare Count As Integer

Declare Number As Integer

Declare Amount As Integer

Set Count=0

Set Sum=0

Repeat

Write“the amount of numbers you want to sum is”

Input Amount

If Amount.〉10

Write”It‘s too many,the amount of the number must<=10,please enter again”

Until Amount<=10

Repeat

Write “Enter an integer:”

Input Number

Set sum=sum+Number

Set count=count+1

Until Count= Amount

Write”The sum is“+Sum

原Python代码

# -\*- coding:utf-8 -\*-

count=1

sum=0

while(1):

if count>5:

break

else:

number = int(input("Enter a number:"))

sum=sum+number

count+=1

print("Sum="+str(sum))

修改后Python代码

#-\*- coding:utf-8 -\*-

count=1

sum=0

numberCount=int(input("How many numbers for summation :"))

while(1):

if count>numberCount:

break

else:

number = int(input("Enter a number:"))

sum=sum+number

count+=1

print("Sum="+str(sum))

2伪代码

Declare EnglishAlphabetCount as integer

Declare SpaceCount as integer

Declare NumberCount as integer

Declare OtherCount as integer

Declare Character as string

Write”Please enter a line of character”

Input Character

For ch in Character

If ch in”abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ”

EnglishAlphabetCount+=1

Elif ch in”0123456789”

NumberCount+=1

Elif ch in “ “

SpaceCount+=1

OtherCount=len(Character)- EnglishAlphabetCount- SpaceCount- NumberCount

Write”the amount of English alphabet is”+ EnglishAlphabetCount

Write”the amount of number is”+ NumberCount

Write”the amount of space is”+ SpaceCount

Write”the amount of other character is”+ OtherCount

Python代码

EnglishAlphabetCount=0

SpaceCount=0

NumberCount=0

OtherCount=0

Print(“please enter a line of character”)

Character=input()

For ch in character

If ch in “abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ”

EnglishAlphabetCount+=1

Elif ch in”0123456789”

NumberCount+=1

Elif ch in “ “

SpaceCount+=1

OtherCount=len(Character)- EnglishAlphabetCount- SpaceCount- NumberCount

Print(EnglishAlphabetCount, SpaceCount, NumberCount, OtherCount)

三

1. 伪代码

Declare Sum as float

Declare classnum as integer

Declare studentnum as integer

Declare studentnumber as integer

Declare classnumber as integer

Set Sum=0

Set classnum=0

Set studentnum=0

Write”input the amount of classes:”

Input classnumber

while(classnum<classnumber)

if

classnum==classnumber

break

else

write”input the amount of students”

input studentnumber

while(studentnum<studentnumber)

if

studentnum==studentnumber

break

else

write”input student’s score”

Sum=Sum+score

Studentnum+=1

Print”Total score is “+Sum

Classnum+=1

Sum=0

Studentnum=0

python代码

# -\*- coding:utf-8 -\*-

sum=0

classnum=0

studentnum=0

classnumber=int(input("Input the amount of Classes:"))

while(classnum<classnu8mber)

if

studentnum==studentnumber

break

else

studentnumber=int(input(“Input the amount of Students:”))

while

# -\*- coding:utf-8 -\*-

sum=0

classnum=0

studentnum=0

classnumber=int(input("Input the amount of Classes:"))

while(classnum<classnumber):

if classnum==classnumber:

break

else:

studentnumber = int(input("Input the amount of Students:"))

while(studentnum<studentnumber):

if studentnum==studentnumber:

break

else:

score = int(input("Input student's score:"))

sum=sum+score; studentnum+=1;

print("Total score is "+str(sum))

classnum+=1;

sum=0

studentnum=0

