**1 . Accept two integer values from user;display the number which is smaller and the number which is bigger.**

a = int(input('Enter value of A :'))

b = int(input('Enter value of B :'))

if(a > b):

    print('Value Of A is Big')

else:

    print('Value Of A is Small')

if(a < b):

     print('Value Of B is Big')

else:

    print('Value Of B is Small')

**02 Accept one integer value from user;check wheter enterd number is divisible by 5 or not.**

no = int(input('Enter Number :'))

if(no % 5 == 0):

    print('Number is divisible by 5 and Number is ->',no)

else:

    print('Number is not divisible by 5 and Number is ->',no)

**03 accept one integer value from user;check wheter enterd number is between 0 to 100 or not**

no = int(input('Enter Number : '))

if(no > 0 and no <100):

    print('Number is between 0 and 100. Number is ->',no)

else:

    print('Number is not between 0 and 100. Number is ->',no)

**04 accept one integer value from the user;display the length of entered number,also display thatthe entred number is of four digits or not.**

no = int(input('Enter Nuymber : '))

no1 = str(no)

len = len(no1)

print('length of No :',len)

if(len == 4):

    print('Number digits is 4 digits. Number is ->',no)

else:

    print('Number digits is not 4 digits. Number is ->',no)

**05 Accept one integer value from the user;pdisplay appropriate day of week.**

week = int(input('Enter Number of Day between 1 and 7 :'))

if(week < 7):

    if(week == 1):

        print('Sunday...')

    if(week == 2):

        print('Monday...')

    if(week == 3):

        print('Tuesday...')

    if(week == 4):

        print('Wednesday...')

    if(week == 5):

        print('Thursday...')

    if(week == 6):

        print('Friday...')

    if(week == 7):

        print('Saturday...')

else:

    print('please select a number between 1 and 7..')

**06 take choice from the user ,and perform the arithmetic operation as per the choice.**

**1. Addition, 2. Subtraction, 3. Multiplication, 4. Division**

a = int(input('Enter the number of A :'))

b = int(input('Enter the number of B :'))

ch = input('Enter choice of +,-,\*,/ : ')

if(ch == '+'):

    add = a + b

    print('Addition -> ',add)

elif(ch == '-'):

    sub = a - b

    print('Subtraction -> ',sub)

elif(ch == '\*'):

    mul = a \* b

    print('Multiplication -> ',mul)

elif(ch == '/'):

    div = a / b

    print('Division -> ',div)

else:

    print('Enter valid choice')

# 7) Accept the string from the user; display the count of vowels and consonants.

a = str.lower(input("Enter Any String :"))

print("---------------------------------")

len = len(a)

vowel = 0

const = 0

space = 0

for i in range(len):

    if a[i]=='a' or a[i]=='e' or a[i]=='i' or a[i]=='o' or a[i]=='u' :

        vowel += 1

    elif a[i]==' ':

        space += 1

    else:

        const+=1

print("Vowel in given string :", vowel)

print("Constant in given string :", const)

print("Space in given string :", space)

# 8) Accept one integer value from the user; display the table of it.

a = int(input("Enter Any Number : "))

for i in range(1,11):

    print(a," X ",i," = ",a\*i)

# 9) Display square and cube of numbers 1-10.

for i in range(1,11):

    print("Square of ",i ," : ",i\*\*2,end = "\t")

    print("Cube of ",i," : ",i\*\*3)

#10. Accept the string from the user;convert into upper case.

a = str.upper(input("Enter any string :"))

print("String in upper case :",a)

# 11) Display the following output using loop:

# i. 1 to 10

print("Print 1 to 10")

for i in range(1, 11):

    print(i)

# ii. 10 to 1

print( "\n\nPrint 10 to 1" )

for i in range(10,0,-1):

    print(i)

# iii. 1 3 5 7 9\

print("\n\nPrint 1 3 5 7 9")

for i in range(1,11,2):

    print(i)

# iv. 2 4 6 8 10

print("\n\nPrint 2 4 6 8 10")

for i in range(2,11,2):

    print(i)

# 12) Print 1 2 4 8 16 32 64 128 256 512 1024

a=1

while a<=1024:

    print(a)

    a = a\*2

# 13) Accept the number from the user; display the table of that number.

a  = int(input("Enter any number to print table :"))

for i in range(1,11):

    print(a," X ",i," = ",a\*i)

# 14) Accept numbers from the user; display the sum of the entered numbers.

print("Enter Numbers and get sum of given numbers,for stop insering numbers please enter 0.")

a=1

num = None

sum = 0

while num!=0:

    num = int(input("Enter Number: "))

    sum += num

    a+=1

print("Sum of your entered numbers is :",sum)

# 15) Accept numbers from the user; display the count of the entered numbers.

print("Please Enter Numbers,For stop entring numbers enter 0.")

count = 0

a=None

while a!=0:

    b = int(input("Enter Number : "))

    if(b==0):

        break

    count += 1

print("You Entered ",count," Numbers.")

# 16) Accept numbers from the user; find and display number of zeros available in the number.

num = int(input("Enter Any number : "))

count = 0

n\_str = str(num)

for i in n\_str:

    if i=='0':

        count +=1

print("Numbers of 0 in given number is :",count)

# 17) Accept an integer from the user; tell user that whether entered number is even or odd.

ans = 'Y'

while ans.lower() == 'y':

    num = int(input("Enter any number :"))

    if num%2==0:

        print(num," is an Even Number.")

        print("--------------------------")

        ans = input("Do you want to check another number? Y/N ")

    else :

        print(num," is an Odd Number.")

        print("--------------------------")

        print("Do you want to check another number? Y/N ")