**PROGRAM CODE:**

#no of days in a month

month = input ( 'Enter the name of the month: ')

if month.casefold() == 'april' or month.casefold() == 'june' or month.casefold() == 'september' or month.casefold() == 'november' :

print ( 'The no days in ' , month, 'are 30')

elif month.casefold() == 'february':

print ('The no of days in february are 28' )

else :

print ('The no of days in ', month , 'are 31')

**OUTPUT:**

Enter the name of the month: March

The no of days in March are 31

Enter the name of the month: april

The no days in april are 30

Enter the name of the month: February

The no of days in february are 28

**PROGRAM CODE:**

#frequency of digits

def freq ( n, i):

count = 0

while n> 0:

r = n% 10

n = n//10

if r == i:

count+=1

return count

n = int ( input ( 'Enter the integer: ' ))

for i in range ( 0, 10 ) :

x = freq ( n, i )

if x != 0 :

print ( 'no of ' , i, " s", ' are' , x )

**OUTPUT:**

Enter the integer: 2434522868

no of 2 s are: 3

no of 3 s are: 1

no of 4 s are: 2

no of 5 s are: 1

no of 6 s are : 1

no of 8 s are: 2

**PROGRAM CODE:**

n = int ( input ( 'Enter the number: ' ))

(r,m )=(0,0)

print('The no is: ',end='')

while n>0:

l = n%10

n = n//10

r = l+r\*10

m=m+1

for i in range (0,m):

l1 = r%10

r = r//10

if l1==1:

print('one ',end='')

elif l1==2:

print('two ', end='')

elif l1== 3:

print('three ',end='')

elif l1== 4:

print('four ',end='')

elif l1== 5:

print('five ',end='')

elif l1== 6:

print('six ',end='')

elif l1== 7:

print('seven ',end='')

elif l1== 8:

print('eight ',end='')

elif l1== 9:

print('nine ',end='')

elif l1== 0:

print('zero ',end='')

**OUTPUT:**

Enter the number: 31290

The no is: three one two nine zero

**PROGRAM CODE:**

str=input('Enter the string ')

ch=0

d=['0','1','2','3','4','5','6','7','8','9']

d1=0

s=['!','@','#','$','%','^','&','\*']

s1=0

for i in str:

if i in s:

s1+=1

for i in str:

if i in d:

d1+=1

for i in str:

if ('a'<=i<='z' or 'A'<=i<='Z'):

ch+=1

print('No of characters are : ',ch)

print('No of digits are: ',d1)

print('No of special characters are: ',s1)

**OUTPUT:**

Enter the string sa2333aes@$@re

No of characters are : 7

No of digits are: 4

No of special characters are: 3

**PROGRAM CODE:**

#lcm - recursion

def lcm(a,b,i):

if i%a==0 and i%b==0:

return i

else:

i+=1

return lcm(a,b,i)

a= int ( input ( ' Enter the first no ' ))

b= int ( input ( ' Enter the second no ' ))

print('The lcm of ',a,'and',b,'is ',lcm(a,b,1))

**OUTPUT:**

Enter the first no 20

Enter the second no 10

The lcm of 20 and 10 is 20