

Write a program which accepts month's name as input and display the number of days in the month as output

```
x=input('enter your month')

if x in('february'):
    print('there are 28/29 days in month')
elif x in('january','march','may','july','august','october'):
    print('there are 30 days in month')
else:
    print('there are 31 days in month')
```

```
enter your monthmarch
there are 31 days in month
```

Take any word as input from the user and count the number of vowels in the word

```
a=input('enter your word')
Count_vowel=0

for i in a:
    if i in('a','A','i','I','E','e','o','O','u','U'):
        Count_vowel=Count_vowel+1
print("no. of vowels are",Count_vowel)
```

```
enter your wordas
no. of vowels are 1
```

Write a program to separate even and odd numbers in two distinct lists from a list of numbers of your choice

```
L=[]
element=
L.append(element)
print(L)
even_list=[]
odd_list=[]
for i in L:
    if i%2==0:
        even_list.append(i)
    else:
        odd_list.append(i)

print('odd', odd_list)
print('even',even_list)
```

```
[2232, [22, 23, 332, 3], [22]]
```

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-17-e2d18bf9aec6> in <module>
      5 odd_list=[]
      6 for i in L:
----> 7     if i%2==0:
      8         even_list.append(i)
      9     else:
```

Write a program that appends datatype of elements from a list to a separate list

```
L=[22,23,33,234,1.2,3.2,2.3,33.2,'asia','africa','russia']
```

```
int_list=[]
str_list=[]
float_list=[]
```

```
for i in L:
    if type(i)==int:
        int_list.append(i)

    elif type(i)==str:
        str_list.append(i)

    else:
        float_list.append(i)
```

```
print("integer list",int_list)
print("float list",float_list)
print("string list",str_list)
```

```
integer list [22, 23, 33, 234]
float list [1.2, 3.2, 2.3, 33.2]
string list ['asia', 'africa', 'russia']
```

Write a program to display only those numbers from a list that satisfies the following conditions:

1. The number must be divisible by 7
2. If the number is 140 then skip it and move to the next number in the list
3. If the number in the list is greater than 630 then stop the loop

```
X=[2,23,14,21,23,55,45,199,12,100,124,140,49,550,598,630,700,787]
```

```
A=[]
```

```
for i in X :
    if i==140:
        continue
    if i>360:
        break
    elif i%7==0:
        A.append(i)
print(A)
```

```
[14, 21, 49]
```

Double-click (or enter) to edit

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