

How many days in march?

```
In [6]: print("List of months: January,\n February,\n March,\n April,\n May,\n June,\n July,\n August,\n September,\n October,\n November,\n December")  
#specifying the input names  
  
month_name = input("Enter the name of Month: ") #dynamic input  
  
if month_name == "February":  
    print("No. of days: 28/29 days")  
elif month_name in ("April", "June", "September", "November"):  
    print("No. of days: 30 days")  
elif month_name in ("January", "March", "May", "July", "August", "October", "December"):  
    print("No. of days: 31 day")  
else:  
    print("You have entered Wrong month name:")  
    print("Please enter correct month from the list..!")
```

```
List of months: January,  
February,  
March,  
April,  
May,  
June,  
July,  
August,  
September,  
October,  
November,  
December  
Enter the name of Month: March  
No. of days: 31 day
```

What is the 3 letter state code of India?

```
In [9]: print("List of countries : \n india \n unites states of america \n united kindom\n\n country_name=input("\n Enter the country name :")\n\n if country_name== "india":\n     print("\n IND")\n elif country_name == "unites states of america":\n     print("\n USA")\n elif country_name == "united kindom" : \n     print("\n UK")\n elif country_name == "itlay":\n     print("\n ITY")\n else:\n     print("\n You have entered Wrong country name")\n     print("\n Please enter correct country code")
```

```
List of countries :
india
unites states of america
united kindom
itlay
```

```
Enter the country name :india
```

```
IND
```

3 inputs

A < B < C

```
In [10]: #Initialize array
arr = [5, 2, 8];
temp = 0;

#Displaying elements of original array
print("Elements of original array: ");
for i in range(0, len(arr)):
    print(arr[i], end=" ");

#Sort the array in ascending order
for i in range(0, len(arr)):
    for j in range(i+1, len(arr)):
        if(arr[i] > arr[j]):
            temp = arr[i];
            arr[i] = arr[j];
            arr[j] = temp;

print();

#Displaying elements of the array after sorting

print("Elements of array sorted in ascending order: ");
for i in range(0, len(arr)):
    print(arr[i], end=" ");
```

Elements of original array:

5 2 8

Elements of array sorted in ascending order:

2 5 8

Positive or Negative

1 or -1

```
In [12]: num=float(input("Enter any number:")) #dynmaic input

if num > 0 :
    print("\n The number is positive")

else :
    print("\n The number is negavitive")
```

Enter any number:-962.3

The number is negavitive

Guess the number?

Less than or Greater than

```
In [13]: a=float(input("Enter any number:"))
b=float(input("Enter any another number:"))

if a>b:
    print("a is greater than b")
elif a<b:
    print("a is lessthan b ")
else :
    print("a and b are equal")
```

Enter any number:4
Enter any another number:4
a and b are equal

Program to add natural numbers.

Sum = 1+2+3+4.....n (For and While)

```
In [14]: num = float(input("enter any number :"))#dynamic input

if num < 0:
    print("Enter a positive number")
else:
    sum = 0
    # use while loop to iterate until zero
    while(num > 0):
        sum += num
        num -= 1
    print("The sum of 1st n natural numbers is :", sum)
```

enter any number :5
The sum of 1st n natural numbers is : 15.0