

Question 1

In [21]:

```
month = str(input("Enter the month: ")).lower()
if (month == "january" ) or (month == "march") or (month == "may") or (month == "july")
or (month == "august") or (month == "october") or (month == "december"):
    print("31 days")
elif month == "april" or month == month == "june" or month== "september" or month ==
"november":
    print("30 days")
elif month == ("february"):
    print("28 days")
else:
    print("invalid input")
```

Enter the month: APRIL
30 days

Question 2

In [25]:

```
a = int(input("Enter the number a: "))
b = int(input("Enter the number b: "))
c = int(input("Enter the number c: "))
if ((a>b) and (a<c)) or ((a<b) and (a>c)):
    print("The middle value is b: ",a)
elif ((b>a) and (b<c) ) or ((b<a) and (b>c)):
    print("The middle value is a: ",b)
elif ((c>a) and (c<b)) or ((c<a) and (c>b)):
    print("The middle value is c: ",c)
```

Enter the number a: 1
Enter the number b: 2
Enter the number c: 3
The middle value is a: 2

In [28]:

```
lst = list(input("Enter the 3 numbers:").split())
lst.sort()
lst[1]
```

Enter the 3 numbers:5 4 6

Out[28]:

'5'

In [29]:

```
a = int(input("Enter the number a: "))
b = int(input("Enter the number b: "))
c = int(input("Enter the number c: "))
if (a>b) and (a>c):
    if (b>c):
        print("The middle value is b: ",b)
    else:
        print("The middle value is c: ",c)
elif (b>a) and (b>c):
    if (a>c):
        print("The middle value is a: ",a)
    else:
        print("The middle value is c: ",c)
elif (c>a) and (c>b):
    if(a>b):
        print("The middle value is a: ",a)
    else:
        print("The middle value is b: ",b)
```

```
Enter the number a: 1
Enter the number b: 2
Enter the number c: 3
The middle value is b:  2
```

Question 3

In [36]:

```
x = int(input("Enter the first side: "))
y = int(input("Enter the second side: "))
z = int(input("Enter the third side: "))
if (x ==y ) and (x==z) and (y == z):
    print("Equilateral Triangle")
elif ((x==y) and (y !=z)) or((y==z) and (y != x)) or ((x == z) and (x != y)):
    print("Isoceles Triangle")
elif (x != y) and (y != z) and (x != z):
    print("Scalene Triangle")
```

```
Enter the first side: 22
Enter the second side: 15
Enter the third side: 15
Isoceles Triangle
```