In [1]:
```
setN={1,2,3,4,5,6,6}
setN2=set([2,3,4,6,7])
print(setN)
setN2.add(8)
setN2.remove(4)
print(setN2)
print(5 in setN2)
```

```
{1, 2, 3, 4, 5, 6}
{2, 3, 6, 7, 8}
False
```

In [2]:
```
print(setN | setN2)
```

```
{1, 2, 3, 4, 5, 6, 7, 8}
```

In [3]:
```
print(setN & setN2)
```

```
{2, 3, 6}
```

In [4]:
```
print(setN-setN2)
```

```
{1, 4, 5}
```

In [5]:
```
'''
STACK AND QUEUE
'''
stck=[]
stck.append("Minhaz")
stck.append("ul")
stck.append("Kabir")
stck.append("Sagar")
stck.append(7)
print(stck)
stck.pop()
print(stck)
stck.append(2)
print(stck)
print("Top of position",stck[0])
```

```
['Minhaz', 'ul', 'Kabir', 'Sagar', 7]
['Minhaz', 'ul', 'Kabir', 'Sagar']
['Minhaz', 'ul', 'Kabir', 'Sagar', 2]
Top of position Minhaz
```

In [6]:
```
'''

n=int(input())
setN=set([])
for x in range(n):
    p=int(input())
    setN.add(p)

print(setN[-1])

'''
```

Out[6]:
```
'\n\nn=int(input())\nsetN=set([])\nfor x in range(n):\n    p=int(input())\n
setN.add(p)\n\nprint(setN[-1])\n\n'
```

In [7]:
```
print("Top of position:\t",stck[-1])
```

```
Top of position:	 2
```

In [8]:
```
#QUEUE
from collections import deque
line=deque(["C","Java", "JavaScript", "Python "])
line.popleft()
print(line)
if not line:
    print("Blank")
```

```
deque(['Java', 'JavaScript', 'Python '])
```

In [9]:
```
#FUNCTION
def add(a,b):
    sum=a+b
    print(sum)

add(10,20)
add(3,12)
```

```
30
15
```

In [10]:
```
def add3(x,y,z):
    sum=x+y+z
    print(sum)
add3(3,4,5)
```

```
12
```

In [11]:
```
def addi(a,b):
    sum=a+b
    return sum
retVar=addi(20,30)
print(retVar)
```

```
50
```

In [12]:
```
 def comp(a,b):
        if a>b:
            return a
        else:
            return b
r=comp(12,2)
maxi=comp
print(maxi(10,20))
print(r)
```

```
20
12
```

In [13]:
```
#x args
def st(*xargs):
    print(xargs)
st(27,"Tuple","X Arguments", 'M')
def ad(*xar):
    s=0
    for n in xar:
        s=s+n
    print(s)
ad(10,20,20)
ad(122)
ad(121,121,355,19,46)
```

```
(27, 'Tuple', 'X Arguments', 'M')
50
122
662
```

In [14]:
```
#xx-args
def stu(**xxar):
    print(xxar)

stu(id=1, name="Dictonary is XXARGS")
```

```
{'id': 1, 'name': 'Dictonary is XXARGS'}
```

In [15]:
```
#Debugging
#video 40 এর জন্যে pycharm দিয়ে কাজ করতে হবে ।
```