In [3]:
```
n1=int(input())                 #AND LOGIC OPREATOR
n2=int(input())
result=n1>0 and n2>0
if result:
    print("positive")
else:
    print("negative")
```

```
5
4
positive
```

In [4]:
```
n1=int(input())                   #OR LOGIC OPERATOR
n2=int(input())
result=n1>0 or n2<0
if result:
    print("postive")
else:
    print("negative")
```

```
-1
5
negative
```

In [6]:
```
n=int(input())                     #NOT LOGIC OPERATOR
if not n>0:
    print("negative")
else:
    print("positive")
```

```
5
positive
```

In [7]:
```
fruits=["apple","mango","orange"] #Indexing
print(fruits[1])
```

```
mango
```

In [8]:
```
fruits=["apple","mango","orange"] #Adding an item
fruits.append("sapota")
print(fruits)
```

```
['apple', 'mango', 'orange', 'sapota']
```

In [10]:
```
fruits=["apple","mango","orange"]  #Removing in list
fruits.remove("mango")
print(fruits)
```

```
['apple', 'orange']
```

In [11]:
```
fruits=["apple","mango","orange"] #length of the list
print(len(fruits))
```

```
3
```

In [16]:
```
fruits=["apple","pomegrante","mango","orange"] #sorting or ordering
fruits.sort()
print(fruits)
```

```
['apple', 'mango', 'orange', 'pomegrante']
```

In [18]:
```
fruits=["apple","pomegrante","mango","orange"] #descending order
fruits.sort(reverse=True)
print(fruits)
```

```
['pomegrante', 'orange', 'mango', 'apple']
```

In [19]:
```
#random() returns a random float between two numbers
import random as rd
print(rd.random())
```

```
0.6446423777438947
```

In [20]:
```
#randint() returns a random integer
import random as rd
print(rd.randint(4,12))   #including 4 and 12
```

```
8
```

In [21]:
```
#choice() returns (string,tuple,range,list)
import random as rd
mylist=["pavani","pradeep","sunny","nani"]
print(mylist)
print(rd.choice(mylist))
```

```
['pavani', 'pradeep', 'sunny', 'nani']
pradeep
```

In [22]:
```
#randrange() returns in given range
import random as rd
print(rd.randrange(4,12,4))#we can add an step using last element
```

```
8
```

In [29]:
```
#shuffle() only for list
mylist=[4,5,8,2]
import random as rd
print(rd.shuffle(mylist))
print(mylist)
```

```
None
[8, 5, 2, 4]
```

In [31]:
```
#choice() #returns an float-point
import random as rd
print(rd.uniform(5,9)) #9 does not include
```

```
5.475894436246876
```

In [33]:
```
print("Sowmya")  #sequential execution
print("pavani")
print("swathi")
```

```
Sowmya
pavani
swathi
```

In [34]:
```
x = 10                    #conditional statement

if x > 0:
    print("x is positive")
elif x == 0:
    print("x is zero")
else:
    print("x is negative")
```

```
x is positive
```

In [35]:
```
for i in range(5):            #for loop
    print(i)
```

```
0
1
2
3
4
```

In [36]:
```
i = 0                           #while loop
while i < 5:
    print(i)
    i += 1
```

```
0
1
2
3
4
```

In [37]:
```
for i in range(10):             #break and continue
    if i == 5:
        break
    print(i)
```

```
0
1
2
3
4
```

In [38]:
```
try:                             #exception handling
    x = 1 / 0
except ZeroDivisionError as e:
    print("Error:", e)
else:
    print("No exception occurred.")
finally:
    print("This will always be executed.")
```

```
Error: division by zero
This will always be executed.
```

In [ ]:
```

```