'''

#python program to display 5 random choices when two dice are thrown

```
import random
dice1=[1,2,3,4,5,6]
dice2=[1,2,3,4,5,6]
print("random choices when first dice  is thrown are :")
print(random.choices(dice1,k=5))
print("random choices when second dice  is thrown are :")
print(random.choices(dice2,k=5))
```

output:

```
random choices when first dice  is thrown are :
[1, 6, 3, 6, 3]
random choices when second dice  is thrown are :
[1, 3, 3, 1, 4]
```

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#find all possible combinations of [1,2,3,4]

```
from itertools import combinations
l=combinations([1,2,3,4],2)
print(list(l))
```

output:

```
[(1, 2), (1, 3), (1, 4), (2, 3), (2, 4), (3, 4)]
```

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#Find floor,ceil,trunc and round values of 56.678

```
import math
print("floor value is :",math.floor(56.678))
print("ceil value is :",math.ceil(56.678))
print("trunc value is :",math.trunc(56.678))
print("round value is :",round(56.678))
```

output:

```
floor value is : 56
```

ceil value is : 57

trunc value is : 56

round value is : 57

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#Out of 10 numbers ,make the system to choose any one number randomly

```
import random
print(random.randrange(1,10))
```

output:

3

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#Your sister has 5 friends. She wants to visit 3 of them, help her in choosing 3 randomly.

```
from random import *
l=["rani","renuka","parnika","pavani","ravali"]
print(choices(l,k=3))
```

output:

['pavani', 'renuka', 'rani']

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#Number guessing game

```
from random import *
l=[2,3,4,5,7]
shuffle(l)
for i in range(10,0,-1):
   print("index positions are 0-4")
   k=randrange(0,len(l))
   print("guess the position of {j} is:".format(j=l[k]))
   n=int(input("enter value:"))
   if(l[n]==l[k]):
      print("true")
      break
```

```
    else:
        print("we have {j} more chances".format(j=i-1))
```

output:

```
index positions are 0-4
guess the position of 4 is:
enter value:2
we have 9 more chances
index positions are 0-4
guess the position of 2 is:
enter value:1
we have 8 more chances
index positions are 0-4
guess the position of 3 is:
enter value:2
true
'''
'''
#Use command line arguments and print if numbers entered are positive
n=int(input("enter a number"))
if n>0:
    print(f'{n} is positive')
else:
    print(f'{n} is negative')


output:
enter a number5
5 is positive
'''
```