```python
#range
a=int(input('enter the lower limit of the range:'))
b=int(input('enter the upper limit of the range:'))
c=int(input('enter the number u want to check:'))
def check(a,b,c):
    if c in range(a,b):
        print('yes ')
    else:
        print('no')
check(a,b,c)
```

```python
import math
a=int(input('enter the number of cards:'))
print('the required number of cards are:')
b=a/2
c=math.trunc(b)
print(c)
```

```
import random
a=int(input('enter a positive integer:'))
c=random.randint(a,a+10)
i=0
print('the random integer is:',c)
while i<c:
    print('A',end=' ')
    i=i+1
```

```
a=int(input('enter the startting time in 24hrs format:')) b=int(input('enter the ending time in 24hrs format:')) c=b+24-a if c>=0 and c>1 and c<=23: print('the amount for billing in $ is ',c*5.50) else: print('not a valid bill')
```

```python
import random
a=int(input('enter the number of times u want to roll a dice:'))
i=0
d=0#to note %of occurance of 1
e=0#to note % of occurance of 2
f=0#to note % of occurance of 3
g=0#to note % of occurance of 4
h=0#to note % of occurance of 5
j=0#to note % of occurance of 6
while i<a:
    b=random.randint(1,6)
    c=random.randint(1,6)
    if b==c:
        if b==1:
            d=d+1
        elif b==2:
            e=e+1
        elif b==3:
            f=f+1
        elif b==4:
            g=g+1
        elif b==5:
            h=h+1
        elif b==6:
            j=j+1
    i=i+1
print('% of occurance of 1 is :',d*100/a)
print('% of occurance of 2 is:',e*100/a)
print('% of occurance of 3 is :',f*100/a)
print('% of occurance of 4 is :',g*100/a)
print('% of occurance of 5 is :',h*100/a)
print('% of occurance of 6 is :',j*100/a)
```