

```
num_cards=eval(input('how many cards do u have ?'))
print(' after reducing ,you now have:', num_cards//2)
```

```
how many cards do u have ?16
after reducing ,you now have: 8
```

```
from random import randint
num=eval( input(' enter a positive integer:'))
num_times=randint( num,num+10)
for i in range(num_times):
    print('A', end='')
    print()
```

```
☞ enter a positive integer:10
```

```
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
A
```

```
def test_range_check(n):
    if n in range(1,101):
        print(" %s is in the range "%str(n))
    else:
        print(" %s is in outside the given range"%str(n))
test_range_check(101)
```

```
101 is in outside the given range
```

```
start=eval(input('enter starting hour (0-23):'))
end=eval(input('enter ending hour (0-23):'))
if end>=start:
    print('total:',(end-start)*5.50)
else:
    print('total:',(24-start+end)*5.50)
```

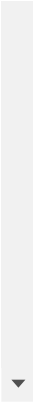
```
enter starting hour (0-23):12
```

```
enter ending hour (0-23):3  
total: 82.5
```

```
from random import randint  
count=0  
for i in range(1000):  
    r1=randint(1,6)  
    r2=randint(1,6)  
    if r1==r2:  
        count+=1  
    print('percentage of doubles:', 100*count/10000)
```

```
percentage of doubles: 0.01  
percentage of doubles: 0.02  
percentage of doubles: 0.03  
percentage of doubles: 0.04  
percentage of doubles: 0.05  
percentage of doubles: 0.06  
percentage of doubles: 0.07  
percentage of doubles: 0.08  
percentage of doubles: 0.09  
percentage of doubles: 0.1  
percentage of doubles: 0.11  
percentage of doubles: 0.12  
percentage of doubles: 0.13  
percentage of doubles: 0.14  
percentage of doubles: 0.15  
percentage of doubles: 0.16  
percentage of doubles: 0.17  
percentage of doubles: 0.18  
percentage of doubles: 0.19  
percentage of doubles: 0.2  
percentage of doubles: 0.21  
percentage of doubles: 0.22  
percentage of doubles: 0.23  
percentage of doubles: 0.24  
percentage of doubles: 0.25  
percentage of doubles: 0.26  
percentage of doubles: 0.27  
percentage of doubles: 0.28  
percentage of doubles: 0.29  
percentage of doubles: 0.3  
percentage of doubles: 0.31  
percentage of doubles: 0.32  
percentage of doubles: 0.33  
percentage of doubles: 0.34  
percentage of doubles: 0.35  
percentage of doubles: 0.36  
percentage of doubles: 0.37  
percentage of doubles: 0.38  
percentage of doubles: 0.39  
percentage of doubles: 0.4  
percentage of doubles: 0.41  
percentage of doubles: 0.42  
percentage of doubles: 0.43  
percentage of doubles: 0.44  
percentage of doubles: 0.45  
percentage of doubles: 0.46
```

```
percentage of doubles: 0.47  
percentage of doubles: 0.48  
percentage of doubles: 0.49  
percentage of doubles: 0.5  
percentage of doubles: 0.51  
percentage of doubles: 0.52  
percentage of doubles: 0.53  
percentage of doubles: 0.54  
percentage of doubles: 0.55  
percentage of doubles: 0.56  
percentage of doubles: 0.57  
percentage of doubles: 0.58
```



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