In [1]:
```
#1

import cmath
import re

a= [float(d) for d in re.findall(r'-?\d+', input())]
print(abs(complex(a[0], a[1])))
print(cmath.phase(complex(a[0], a[1])))
```

```
1+2j
2.23606797749979
1.1071487177940904
```

In [2]:
```
#2

import math
a=float(input())
b=float(input())

angle=str(round(math.atan(a/b)*(180/math.pi)))
degree_sign = u"\N{DEGREE SIGN}"
print(angle+degree_sign)
```

```
10
10
45°
```

In [3]:
```
#3


for i in range(1,int(input())+1): #More than 2 lines will result in 0 score. Do not leave a blank line also
    print([1, 121, 12321, 1234321, 123454321, 12345654321, 1234567654321, 123456787654321, 12345678987654321, 1234567891
0987654321][i-1])
```

```
5
1
121
12321
1234321
123454321
```

In [4]:
```
#4

a=int(input())
b=int(input())
print(a//b)
print(a%b)
print(divmod(a,b))
```

```
177
10
17
7
(17, 7)
```

In [5]:
```
#5

a,b,m = [int(input()) for _ in '123']
print(pow(a,b),pow(a,b,m),sep='\n')
```

```
3
4
5
81
1
```

In [9]:
```
#6

for i in range(1,int(input())):
    print(i * int(bin(2**i - 1)[2:]))
```

```
5
1
22
333
4444
```

In [10]:
```
#7

a,b,c,d = (int(input()) for _ in range(4))
print (pow(a,b)+pow(c,d))
```

```
9
29
7
27
4710194409608608369201743232
```

In [ ]:
```

```