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#16.01.25
d1={"a":2,"b":4,"c":6}
sum_d=0
for num in d1.values():
    sum_d+=num
    print("The sum of elements in the dictionary is:",sum_dict)

n=int(input("Enter number:"))
for i in range(1,n+1):
    for  j in range(1,i+1):
        print(i,end=" ")
    print()

#17.01.25
def reverse_string(s):
    if len(s)<=1:
        return s
    return reverse_string(s[1:])+s[0]
in_str=input()
reversed_str=reverse_string(in_str)
print(reversed_str)


def cal_power(x,y):
    if y==0:
        return 1
    else:
        return x*cal_power(x,y-1)
a=int(input())
b=int(input())
cal=cal_power(a,b)
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print(cal)


n=int(input())
arr=[]
for _ in range(n):
    l=list(map(int,input().split()))
    arr.append(l)
for i in range(n):
    for j in range(n):
        print(arr[i][j], end=" ")
    print()
print("transpose matrix is: ")
for j in range(n):
    for i in range(n):
        print(arr[i][j], end=" ")
    print()


def palindrome(n):
    rev=n[::-1]
    if n==rev:
        print(n,"is a palindrome")
    else:
        print(n,"is not a palindrome")
n=input("Enter a string:")
palindrome(n)



n=int(input())
arr=[]
for i in range(n):
    l=list(map(int,input().split()))
```

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    arr.append(l)
total=0
for row in arr:
    for col in row:
        total+=col
print('The sum of all elements in the 2D array is:',total)


def sum_dig(n):
    if n<10:
        return n
    else:
        return n%10+sum_dig(n//10)
num=int(input())
result=sum_dig(num)
print(result)
```