

A Add

```
def add_numbers(x, y):  
    return x + y  
  
x, y = map(int, input().split())  
print(add_numbers(x, y))
```

B Print

```
def print_numbers(n):  
    for i in range(1, n + 1):  
        print(i, end=' ')  
  
n = int(input())  
print_numbers(n)
```

E Swap

```
def swap(x, y):  
    return y, x  
  
x, y = map(int, input().split())  
x, y = swap(x, y)  
print(x, y)
```

D Prime

```
def is_prime(n):  
    if n <= 1:  
        return False  
    if n == 2:  
        return True  
    if n % 2 == 0:  
        return False  
    i = 3  
    while i * i <= n:  
        if n % i == 0:  
            return False  
        i += 2  
    return True  
  
t = int(input())  
for _ in range(t):  
    n = int(input())  
    if is_prime(n):  
        print("YES")  
    else:  
        print("NO")
```

F Equation

```
def power(x, n):
    result = 1
    for _ in range(n):
        result *= x
    return result

def calculate_equation(x, n):
    s = -1 # because  $X^0 - 1 = 1 - 1 = 0$ 
    for i in range(0, n + 1, 2):
        s += power(x, i)
    return s

x, n = map(int, input().split())
print(calculate_equation(x, n))
```

J Average

```
def average(arr):
    total = 0.0
    for num in arr:
        total += num
    return total / len(arr)

n = int(input())
arr = list(map(float, input().split()))
print(f"{average(arr):.6f}")
```

G MaxMin

```
def find_min_max(arr):
    minimum = arr[0]
    maximum = arr[0]
    for num in arr:
        if num < minimum:
            minimum = num
        if num > maximum:
            maximum = num
    return minimum, maximum

n = int(input())
arr = list(map(int, input().split()))
min_val, max_val = find_min_max(arr)
print(min_val, max_val)
```

L NewArray

```
def concatenate_arrays(a, b):
    return b + a

n = int(input())
a = list(map(int, input().split()))
b = list(map(int, input().split()))
```

```
c = concatenate_arrays(a, b)
print(*c)
```