

Lire du code – Fonctions

Lisez les programmes ci-dessous. Pour chacun, indiquez ce qu'il affiche dans le bon ordre (les sorties produites via les instructions **print**).

A

```
def z(z):  
    print("z(z)")  
    print("z", z)  
    y(z*2)  
    print("z", z)
```

```
def y(z):  
    print("y(z)")  
    print("z", z)  
    z -= 1  
    print("z", z)
```

```
print("=== A ===")  
z(4)
```

Sorties produites

B

```
def x(y):  
    print("x(y) ")  
    print("y", y)  
    return y+1
```

```
def y(z):  
    print("y(z) ")  
    print("z", z)  
    z *= x(z)  
    print("z", z)
```

```
print("=== B ===")  
z = 2  
y(z)  
print("main")  
print("z", z)
```

Sorties produites

C

```
def a(x):  
    print('a(', x, ')')  
    return x*x  
  
def b(x, y):  
    print('b(', x, ',', y, ')')  
    print(a(x*y))  
    print(a(y))  
  
def c(x, y):  
    print('c(', x, ',', y, ')')  
    b(y+2, x)  
  
print("=== C ===")  
c(2, 2)
```

Sorties produites

D

```
def f3(n):
    print("f3")
    print("n", n)
    if n < 10:
        n += 2
    else:
        n += 1
    return n

def f2(a):
    print("f2")
    print("a", a)
    if a % 2 == 0:
        a += f3(a)
        print("a", a)
    if a >= 5:
        a = f3(a)
        print("a", a)

def f1(hello):
    print("f1")
    a = 3
    if hello < 2*a:
        f2(hello-a)
    else:
        f2(a-hello)

print("=== D ===")
f1(5)
```

Sorties produites

