

Function concepts

These exercises are more of a conceptual nature, and you will answer them right here (multiple choice, checkboxes).

CODE SNIPPET 1

```
x = 0

def add_one(x):
    x = x+1
    return x

add_one(1)
print(x)
```

Consider **code snippet 1**, shown above. What will be the printed output?

- ☐ 0
- ☐ 1
- ☐ 2

CODE SNIPPET 2

```
x = 1
y = 2
z = 3

def multiply(x,y):
    x = x*y
    return x

def fused_ma(x,y):
    z = multiply(x,y)
    x = x+z
    return x

z = fused_ma(1,1)
print(x,y,z)
```

Consider code snippet 2, shown above. What will be the printed output?

```
[ ] 1 2 2
[ ] 2 1 1
[ ] 4 2 2
```