Quiz

It's quiz time! Test yourself by solving these questions about recursion.

1 Recursive implementations are always less space-consuming then iterative implementations.

2 Fill in the blank for the following recursive function which calculates the power of a base raised to an exponent:

```
def pow(base,exp):
    if exp == 0:
        return 1
    else:
        return _____
```

3

What is the output of the following code?

```python
def fibonacci(n):
    if n==1:
        return 0
    elif n==2:
        return 1
    else:
        return fibonacci(n-1)+fibonacci(n-2)
print(fibonacci(7))
```

4

Only recursively defined functions can be implemented recursively.

Check Answers