Define a function called myfunc that takes in an arbitrary number of arguments, and returns the sum of those arguments

In [2]:
```python
def myfunc(*args):
    return sum(args)
```

In [3]:
```python
myfunc(1,2)
```

Out[3]: 3

Define a function call myfunc that takes in an arbitrary number fo arguements and returns a list containing only those arguments that are even

In [7]:
```python
def myfunc(*args):
    return [n for n in args if n%2 == 0]
print(myfunc(1,2,3,4,5,6,7,8,9,10))
```

```
[2, 4, 6, 8, 10]
```

Define a function called myfunc that takes in a string and returns a matching string where every even letter is uppercase, and every odd letter is lowercase.

Assume that the incoming string only contains letters and dont worry about numbers, spaces or punctuation.

The output string can start with either an uppercase or lowercase letter, so long as letters alternate throughout the string

In [ ]: