

# ctypes

The following imports ctypes interface for Python

```
In [3]: import ctypes
```

Now we can import our shared library

```
In [7]: _libInC = ctypes.CDLL('./libMyLib.so')
```

Let's call our C function, myAdd(a, b).

```
In [8]: _libInC.myAdd(3, 5)
```

```
Out[8]: 8
```

This is cumbersome to write, so let's wrap this C function in a Python function for ease of use.

```
In [9]: def addC(a,b):  
        return _libInC.myAdd(a,b)
```

Usage example:

```
In [10]: addC(10, 202)
```

```
Out[10]: 212
```

## Multiply

Following the code for your add function, write a Python wrapper function to call your C multiply code

```
In [11]: def multC(a,b):  
        return _libInC.myMult(a,b)
```

```
In [12]: multC(4,4)
```

```
Out[12]: 16
```

```
In [ ]:
```