

# ctypes

The following imports ctypes interface for Python

```
In [1]: import ctypes
```

Now we can import our shared library

```
In [2]: _libInC = ctypes.CDLL('./libMyLib.so')
```

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

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

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

```
In [4]: def addC(a,b):  
        return _libInC.myAdd(a,b)
```

Usage example:

```
In [5]: print(addC(10, 202))
```

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## Multiply

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

```
In [8]: def MultiplyC(a,b):  
        return _libInC.myMultiply(a,b)  
        print(MultiplyC(2,5))
```

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