

PYTHON - NOTES III - FUNCTIONS

Functions. Functions allow the modular development of programs by isolating and making independent the different internal components of a program. Properly incorporating functions into your programs forms an important part of good program design, as it makes your code much more understandable. The general template for a function is as follows:

```
def <function>(<parameters>):  
    <statements>  
    return <variable>
```

EXAMPLE:

```
def sum_first_n_cubes(n):  
    total = 0  
    for i in range(n+1):  
        total = total + i**3  
    return total
```

Of course Python has libraries with many useful functions defined a priori.