Get the main module path from a library function

The problem

I have a Python program that creates an output file (for HeeksCAD in this case) that should have the same name as my main program, except for the extension that should be „.heeks" instad off „.py".

Two things must be done:

- get the main module path

- exchange the extension.

The second is just a replace operation, the first is a little bit more tricky.

If all the code was in one file, the solution would be:

```python
def make_heeksname():
    s = os.path.abspath(__file__)
    s = s.replace('.py', '.heeks')
    return s
```

This works well if the function is in the main module. But if the function resides in an imported library, it returns the path to this library, not to the main module.

The solution

A solution that works for me is found here:

https://stackoverflow.com/questions/606561/how-to-get-filename-of-the-main-module-in-python

```python
def make_heeksname():
    s = os.path.abspath(sys.modules['__main__'].__file__)
    s = s.replace('.py', '.heeks')
    return s
```