FEATURES

Deny access to the file system.

Deny importing Python modules.

Deny some builtin symbols like execfile(), reload() or KeyboardInterrupt

Implements four safe basic instructions, they are add, sub, mul, div.

Code executed in sandbox has max execution time limitation.

Examples

Sandbox initiation,

SandboxA = sandbox(5)

Argument is timeout for running code.

Running function,

sandboxA.run(func,*arg, **kw)

define your own function and run it,

def func(*arg, **kw):

   ….

sandboxA.run(func, *arg, **kw)

Turing complete

Because python is a Turing-complete language and this sandbox is a python's subset which blocks several modules and built-in functions of python, thus, this sandbox is a Turing complete machine.