NAME
LittleDarwin – Mutation analysis framework

SYNOPSIS
LittleDarwin.py [options]

DESCRIPTION
Mutation testing has been proven to be a reliable method to estimate the quality of a test suite. Most of current mutation tools require the architecture of their target system to be in a certain way in order to apply the technique; thus making it impossible to use them in complex build environments. LittleDarwin is a mutation testing tool designed primarily with the premise of easy deployment in complex systems; in order to provide mutation testing where other tools fail.

OPTIONS
−m, **−−mutate**
>   Activate the mutation phase

−b, **−−build**
>   Activate the build phase

−v, **−−verbose**
>   Verbose output

−p, **−−path=SOURCEPATH**
>   Path to source files

−t, **−−build-path=BUILDPATH**
>   Path to build system working directory

−c, **−−build-command=BUILDCOMMAND**
>   Command to run the build system. if it includes more than a single argument, they should be seperated by comma. for example: mvn,install

−−test-path=TESTPATH
>   Path to test project build system working directory

−−test-command=TESTCOMMAND
>   Command to run the test-suite. if it includes more than a single argument, they should be seperated by comma. for example: mvn,test

−−initial-build-command=INITIALBUILDCOMMAND
>   Command to run the initial build

−−timeout=TIMEOUT
>   Timeout value for the build process

−−cleanup=CLEANUP
>   Commands to run after each build

−−use-alternate-database=ALTERNATEDB
>   Path to alternative database

−−license
>   Output the license and exit

−h, **−−help**
>   Show help message and exit

EXAMPLE
      LittleDarwin.py −m −b −p project/src/main/ **−t** project/ **−c** ant,clean,test **−−timeout=120**
            Runs LittleDarwin on project source files to generate mutants, and executes the test suite on the
            resulting mutants using supplied commands with an execution timeout of 120 seconds.

BUGS
      No known bugs.

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