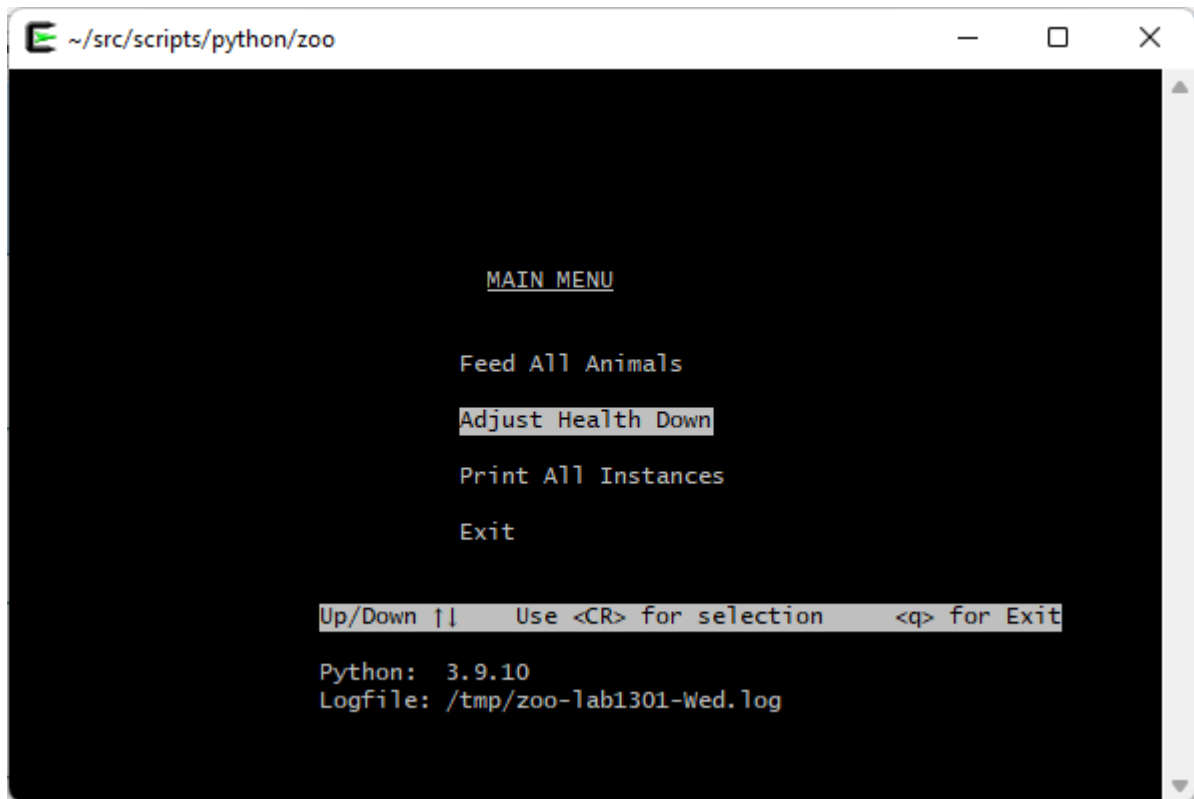


## Screenshots of zoo simulation



The screenshot shows a terminal window with a black background and white text. The window title bar at the top reads '~ /src/scripts/python/zoo'. The main menu is centered and lists five options: 'MAIN MENU', 'Feed All Animals', 'Adjust Health Down', 'Print All Instances', and 'Exit'. The 'Adjust Health Down' option is highlighted with a light gray background. Below the menu, a line of text provides instructions: 'Up/Down | Use <CR> for selection <q> for Exit'. At the bottom, the Python version '3.9.10' and the logfile path '/tmp/zoo-lab1301-Wed.log' are displayed.

```
~/src/scripts/python/zoo

MAIN MENU

Feed All Animals
Adjust Health Down
Print All Instances
Exit

Up/Down | Use <CR> for selection <q> for Exit

Python: 3.9.10
Logfile: /tmp/zoo-lab1301-Wed.log
```

```
~/src/lab1301-git/src/Scripts/Python/zoo

animals::feedAllAnimals(): Feeding all animals

animals::setFeedRval(): m_feed_rnum=<24>
animals::setFeedRval(): g_feed_rnum=<24>
animals::setFeedRval(): e_feed_rnum=<21>

#####
##### feedAllAnimals() is feeding all animals in zoo list #####
#####
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-1 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-2 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Elephant-3 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-4 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-5 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Elephant-6 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-7 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-8 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Elephant-9 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-10 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-11 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Elephant-12>
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-13 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-14 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Elephant-15>

...Press any key to continue
```

```
~/src/lab1301-git/src/Scripts/Python/zoo

animals::adjustHealthDownAllAnimals(): Adjusting health down

#####
##### adjustHealthDownAllAnimals() is adjusting the health of all animals in zoo
list #####
#####
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-1 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-2 >
adjustHealthDownAllAnimals(3): Status now HEALTHY -> LAME for <Elephant-3 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-4 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-5 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Elephant-6 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-7 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-8 >
adjustHealthDownAllAnimals(3): Status now HEALTHY -> LAME for <Elephant-9 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-10 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-11 >
adjustHealthDownAllAnimals(1): Status now LAME -> DEAD for <Elephant-12>
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Monkey-13 >
adjustHealthDownAllAnimals(5): No change to status (HEALTHY) for <Giraffe-14 >
adjustHealthDownAllAnimals(1): Status now LAME -> DEAD for <Elephant-15>

...Press any key to continue
```

```
~/src/lab1301-git/src/Scripts/Python/zoo
Status      = DEAD

----- printInstance() -----
Name        = Monkey-13
Idx         = 13
Health      = 60.192943 (Threshold=30)
FeedVal     = 24      Animal type specific feed random number (0 == not fed yet!)
FeedRuns    = 2       ** number of times fed **
HealthRun   = 4       ** number of times health reduced **
Status      = HEALTHY

----- printInstance() -----
Name        = Giraffe-14
Idx         = 14
Health      = 83.382328 (Threshold=50)
FeedVal     = 24      Animal type specific feed random number (0 == not fed yet!)
FeedRuns    = 2       ** number of times fed **
HealthRun   = 4       ** number of times health reduced **
Status      = HEALTHY

----- printInstance() -----
Name        = Elephant-15
Idx         = 15
Health      = 59.843184 (Threshold=70)
FeedVal     = 21      Animal type specific feed random number (0 == not fed yet!)
FeedRuns    = 2       ** number of times fed **
HealthRun   = 4       ** number of times health reduced **
Status      = DEAD

...Press any key to continue
```

```
~/src/lab1301-git/src/Scripts/Python/zoo
zoo.py:turnLoggingOn
Python version: 3.9.10 (main, Jan 20 2022, 21:37:52)
[GCC 11.2.0]
zoo.py:turnLoggingOn /home/lab1301/src/lab1301-git/src/Scripts/Python/zoo/./zoo.py line
eno 340

zoo.py:turnLoggingOn ** [Errno 2] No such file or directory: '/tmp/zoo-lab1301-Fri.log'
' ** Logfile '/tmp/zoo-lab1301-Fri.log' is missing. Creating a new logfile...
zoo.py:turnLoggingOn Not renaming logfile '/tmp/zoo-lab1301-Fri.log' as it was last mo
dified on '2022-11-04 10:38:28' - only '0' day(s) ago
zoo.py:turnLoggingOn Logging output to '/tmp/zoo-lab1301-Fri.log'

zoo.py:logStart()

zoo.py:getLogfile()
zoo.py:getLogfile() Returning logfile ('/tmp/zoo-lab1301-Fri.log')

zoo.py:getTime()

zoo.py:getTime()
*****
zoo.py:logStart() Starting 'zoo.py' on 'lab1301-Ryzen5' for 'lab1301' at '04/11/2022 1
0:38:30'
*****

--More-- (0%)
```

```
~/src/lab1301-gitlab/src/zoo-simulation/Scripts/Python/zoo

lab1301@lab1301-Ryzen5 ~/src/lab1301-gitlab/src/zoo-simulation/Scripts/Python/zoo
$ git branch -a;git remote -v;date;ls -altr /tmp/zoo*log*;date;uname -a
* curses
  dev
  main
  trunk
  remotes/origin/HEAD -> origin/trunk
  remotes/origin/curses
  remotes/origin/dev
  remotes/origin/main
  remotes/origin/trunk
origin https://gitlab.com/lab1301-gitlab/zoo-simulation.git (fetch)
origin https://gitlab.com/lab1301-gitlab/zoo-simulation.git (push)
Wed Nov  9 15:10:46 GMT 2022
-rw-r--r-- 1 lab1301 None 8099 Oct 13 2021 /tmp/zoo-log-parser.out
-rw-r--r-- 1 lab1301 None 219609 Nov  3 19:23 /tmp/zoo-lab1301-Thu.log
-rw-r--r-- 1 lab1301 None 120294 Nov  4 10:56 /tmp/zoo-lab1301-Fri.log
-rw-r--r-- 1 lab1301 None 49122 Nov  7 21:31 /tmp/zoo-lab1301-Mon.log
-rw-r--r-- 1 lab1301 None 455737 Nov  8 16:04 /tmp/zoo-lab1301-Tue.log
-rw-r--r-- 1 lab1301 None 18624 Nov  9 15:02 /tmp/zoo-lab1301-Wed.log
Wed Nov  9 15:10:46 GMT 2022
CYGWIN_NT-10.0-22000 lab1301-Ryzen5 3.3.6-341.x86_64 2022-09-05 11:15 UTC x86_64 Cygwin

lab1301@lab1301-Ryzen5 ~/src/lab1301-gitlab/src/zoo-simulation/Scripts/Python/zoo
$
```