

assignment-2-2013s

Assignment 2 (Due: Thursday, January 31, 2013, 11:59pm)

In this assignment, you are required to write a system program `faked_uname.c` in language C that partly

implements the functionalities of system program `uname` through using the system call `uname()`. The program

should compile correctly on `pyrite.cs.iastate.edu`.

Requirements: Supposed "`faked_uname.c`" is compiled to get executable file "`faked_uname`". The functionalities of

`faked_uname` should be as follows:

(1) Command

```
$ faked_uname --machine
```

prints out the machine hardware name.

(2) Command

```
$ faked_uname --operating-system
```

prints out the operating system name.

(3) Command

```
$ faked_uname --kernel-release
```

prints out the kernel release of the operating system.

Hints: Before writing the program, you are suggested to do the following preparations.

(i) run

```
$ uname --help
```

to know the functionalities of system program `uname`.

(ii) run

```
$ man 2 uname
```

to know how to use system call `uname`.