

- 1.1 – Description of modification/addition to Linux

Create a new system call “hello” that begins a conversation between the system and the user with a prewritten dialogue tree.

It'll look something like this:

```
C:\Users\CashCassidy>hello .
.
[1] "Hello!" .
[2] "Hey." .
[3] "Howdy." .
.
=> 1 .
.
Hi. .
.
[1] "What's your name?" .
[2] "Wonderful weather we're having, yes?" .
[3] "Tell me your most vulnerable secret." .
.
=> 2 .
.
I suppose so. Who are you? .
.
[1] "I'm CashCassidy." .
[2] "I'm someone who appreciates good weather." .
[3] "Who I am is none of your concern." .
.
=>
```

- 1.2 – Rationale

- Being able to add system calls to the linux kernel will allow us to explore and gain experience with working in the kernel mode
- Be able to simulate a small and simple conversation between you and the computer is cool and a fun thing to do.

- 1.3 – Preliminary list of [possible] Linux modules that will be modified/affected
 - System call table (syscall_64.tbl)
 - Linux - 4.17.4 directory

- 1.4 – Preliminary list of any new modules that you will produce [or 'Not Applicable' if there are none]
 - Not applicable