1. Run numb init to initialize.

Observe: (1) nmb.json (2) .nmb (3) a new branch called numb

```
demo git:(master) numb init
demo git:(master) ls -a
.            ..          .git          .gitignore  .nmb        .vscode     __pycache__ lenet.py    nmb.json    test.py     train.py
demo git:(master) git branch
* master
  numb
```

2. Run numb train

Observe:

```
demo git:(master) numb train
NO OP FOR TEST!
Done Training!
Nothing Stashed!
demo git:(master)
```

Note: the output may not make sense and is subject to changes

3. Run numb test

Observe:

```
demo git:(master) numb test
This model has been trained with following parameters.
Simply hit enter to use the latest. Or input the number to specify.

0: {"learning_rate": 0.01, "epoch": 1, "batch_size": 100}

Use parameter:
```

After inputting 0 or simply hitting enter:

```
→ demo git:(master) numb test
This model has been trained with following parameters.
Simply hit enter to use the latest. Or input the number to specify.

0: {"learning_rate": 0.01, "epoch": 1, "batch_size": 100}

Use parameter:
State Dict Filename:  .nmb/2017-11-27 04:30:55.390069 -0600 CST m=+1.322820938
NO OP FOR STATE DICT!
→ demo git:(master)
```

4. Testing version control system

```python
import sys
sys.path.append('/Users/dwd/go/src/github.com/user/numb')

from lenet import LeNet
# I am making change
model = LeNet() # chaaaaange!
```

Make changes in places

```
18     # set parameters!
19     learning_rate = 0.01
20     epoch = 1
21     batch_size = 10 # becomes ten
22
```

Run numb train; On branch master the status should remain unchanged.

```
⇥ demo git:(master) ✗ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   test.py
        modified:   train.py

no changes added to commit (use "git add" and/or "git commit -a")
⇥ demo git:(master) ✗ numb train
NO OP FOR TEST!
Done Training!
Trying to resovle conflicts
Commit Made:  9424a659337eb836e242424df93a59d73bf64c29
⇥ demo git:(master) ✗ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   test.py
        modified:   train.py

no changes added to commit (use "git add" and/or "git commit -a")
⇥ demo git:(master) ✗ ▊
```

However on

```
commit 9424a659337eb836e242424df93a59d73bf64c29 (HEAD -> numb)
Author: Guohao Dou <gdou2@illinois.edu>
Date:   Mon Nov 27 04:38:28 2017 -0600

        Trained at 2017-11-27 04:38:28.495613 -0600 CST m=+2.215286243
```

branch numb, there should be:

Note: the two git hashes should be identical.