

6. Exercises

See the book for exercises using [x86.py](#):

```
$ cat loop.s
```

```
.main
```

```
.top
```

```
sub $1,%dx
```

```
test $0,%dx
```

```
jgte .top
```

```
halt
```

```
$ python ./x86.py -p loop.s -t 1 -i 100 -R dx
```

```
dx          Thread 0
```

```
?
```

```
? 1000 sub $1,%dx
```

```
? 1001 test $0,%dx
```

```
? 1002 jgte .top
```

```
? 1003 halt
```

```
$ python ./x86.py -p loop.s -t 1 -i 100 -R dx -c
```

```
dx          Thread 0
```

```
0
```

```
-1 1000 sub $1,%dx
```

```
-1 1001 test $0,%dx
```

```
-1 1002 jgte .top
```

```
-1 1003 halt
```