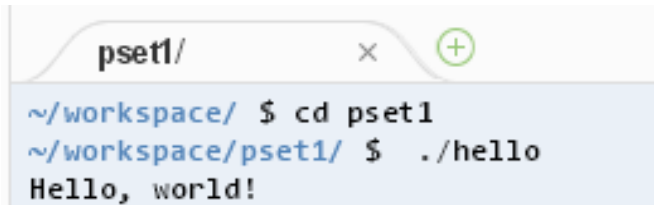


Problem Set 1: C

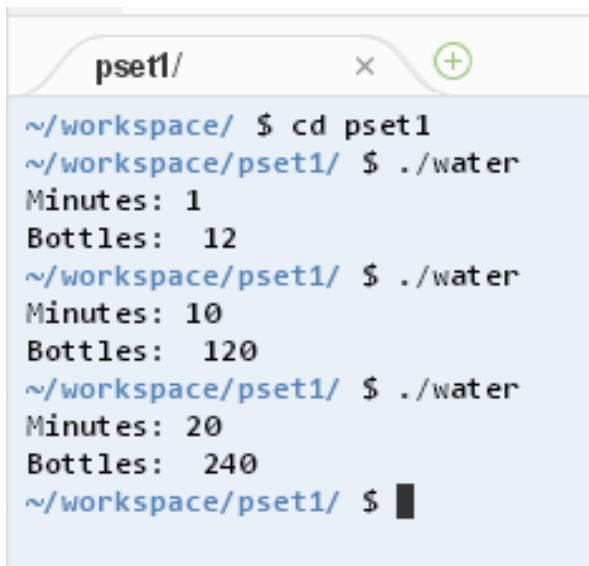
What to Do

1. Implement [Hello](#)



```
pset1/ x (+)
~/workspace/ $ cd pset1
~/workspace/pset1/ $ ./hello
Hello, world!
```

2. Implement [Water](#)



```
pset1/ x (+)
~/workspace/ $ cd pset1
~/workspace/pset1/ $ ./water
Minutes: 1
Bottles: 12
~/workspace/pset1/ $ ./water
Minutes: 10
Bottles: 120
~/workspace/pset1/ $ ./water
Minutes: 20
Bottles: 240
~/workspace/pset1/ $ █
```

3. Implement either of:

- [Mario](#), less comfortable



```
pset1/ x (+)
~/workspace/ $ cd pset1
~/workspace/pset1/ $ ./mario
give me an integer < 23: 8
  ##
 ###
####
#####
#####
#####
#####
#####
#####
~/workspace/pset1/ $ █
```

- Mario, more comfortable

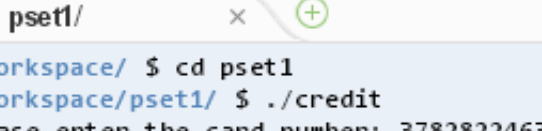
[illegible]

4. Implement either of:

- Greedy, less comfortable

```
pset1/ x (+)
~/workspace/ $ cd pset1
~/workspace/pset1/ $ ./greedy
0 hai! How much change is owed? -0.41
0 hai! How much change is owed? 0.41
4
~/workspace/pset1/ $
```

- Credit, more comfortable



```
pset1/ x (+)
~/workspace/ $ cd pset1
~/workspace/pset1/ $ ./credit
Please enter the card number: 378282246310005
AMEX
~/workspace/pset1/ $ ./credit
Please enter the card number: 6176292929
INVALID
~/workspace/pset1/ $
```