## Problem Set 6

## Mario

- 1. Implement either of the below exactly as specified but in Python:
  - o Mario, less comfortable, in a file called mario.py in pset6/.
  - o Mario, more comfortable, in a file called mario.py in pset6/.

```
pset6/ × +
~/workspace/pset6/ $ python marioM.py
give me an integer < 23: 14
           ## ##
          *** ***
         **** ****
         ***** *****
        ***** *****
       ****** ******
      ******* *******
     ******* *******
    ******** ********
   ********** *********
  *********** **********
 *********** **********
 *********** **********
************* ************
~/workspace/pset6/ $
```

2. Implement either of the below exactly as specified but in Python:

## Greedy

o <u>Greedy</u>, less comfortable, in a file called greedy.py in pset6/.

```
pset6/ × +

~/workspace/pset6/ $ python greedy.py
0 hai! How much change is owed?
0.41
change: 4

~/workspace/pset6/ $ python greedy.py
0 hai! How much change is owed?
0.99
change: 9

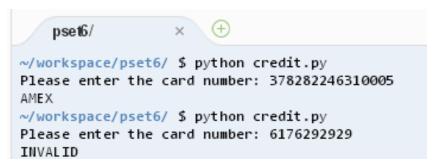
~/workspace/pset6/ $
```

```
pset6/ × +

~/workspace/pset6/ $ python greedy.py
0 hai! How much change is owed?
-0.41
0 hai! How much change is owed?
9
change: 36
~/workspace/pset6/ $
```

## Credit

o <u>Credit</u>, more comfortable, in a file called <u>credit.py</u> in pset6/.



- 3. Implement any (one) of the below exactly as specified but in Python:
  - o <u>Caesar</u>, less comfortable, in a file called <u>caesar.py</u> in <u>pset6/</u>.

```
pse16/ × +

~/workspace/pset6/ $ python caesar.py
Введіть числове значення аргумента

~/workspace/pset6/ $ python caesar.py 13
Введіть текст: HELLO
зашифрований текст: URYYB~/workspace/pset6/ $
```

```
pset6/ × +

~/workspace/pset6/ $ python caesar.py 13
Введіть текст: hello, world
зашифрований текст: uryyb, jbeyq~/workspace/pset6/ $ python caesar.py 13
Введіть текст: be sure to drink your Ovaltine
зашифрований текст: or fher gb qevax lbhe Binygvar~/workspace/pset6/ $
```