Functions

- printMenu()
 - No args
 - Print main menu
 - Offer user a choice
 - Return userChoice
- printStoredPokemon(<playerID>)
 - <playerID> = name of the player
 - Print out the pokemon selection menu (see lab description)
 - Offer user a choice
 - Return userChoice
- printCurrentPokemon(<playerID>, pokemonName)
 - <playerID> = name of the player
 - pokemonName = name of the pokemon to print
 - Print out the current pokemon menu (see lab description)
 - Offer user a choice
 - Return userChoice
- catchNewPokemon()
 - Play rock paper scissors
 - If win:
 - Print 5 random pokemon
 - userChoice
 - numCandies = random(0,3)
 - If numCand == 0:
 - Candies = 3
 - Elif numCand == 1:
 - Candies = 5
 - Elif numCand == 2:
 - Candies = 10
 - Return userChoice, candies
 - Else:
 - Return False
- levelPokemon(<playerID>, pokemonName)
 - <playerID> = name of the player
 - pokemonName = name of the Pokémon to level
 - Calculate how many levels to add
 - Return pokemon and level
- battle(pMon1, pMon2)
 - pMon1 = dictionary with the necessary info about that pMon
 - pMon2 = same as pMon1 just with pMon2's stats
 - Calculate winning numbers for each:

- pMonRandomNumber = pMonCP * uniform(10,51) / pMonLevel
- Whichever pMon has the higher pMonRandomNumber wins
- Returns winner
- calcCP(currentCP, currentLevel)
 - currentCP = pokemons current CP
 - currentLevel = pokemons current level
 - CP * 0.0094 / (0.095 * sqrt(Current Level)) for levels 1–30
 - CP * 0.0045 / (0.095 * sqrt(Current Level)) for levels 31–40

Variables

```
game = {<playerID> = [{pokemonName = [level, cp]}, candies, currentPMon], ...} currentPlayer = {playerID = [stuff, currentPMon]}
```

Menus

MAIN MENU:

- (1) Battle another player
- (2) Catch a new pokemon
- (3) Print your pokemon
- (4) Print currently selected pokemon
- (5) Level currently selected pokemon
- (6) Switch to another player

Stored Pokemon Menu:

- (1) View current pokemon
- (2) Catch a new pokemon
- (3) Level currently selected pokemon
- (4) Switch to other player

currentPokemon Menu:

Pokemon name:

Current CP:

Current Level:

- (1) Use Candy to Level Up
- (2) Exit to Main Menu

pokemonSelection Menu:

Current Pokemon name: Current CP:

Current Level:

For each pokemon:

print(pokemon name, CP level)

