

cc-practice-pseudo

1. **READ** README

- This file is a practice file for pseudocode
- Time: approx. 30-60 min.
- When you're done with a section move the cursor on the section heading and type S-<right> (or SHIFT+<right-arrow>).

2. **TODO** Identify yourself

- replace the placeholder [yourName] in the header of this file by your name and save the file (C-x C-s).

3. **TODO** Turn a problem into pseudocode

1. Turn the following problem [1](#) into pseudocode.

"Allow a player to deposit or withdraw gold from a game bank account."

2. Write your code below into a **named** Org-mode C example block that you can create with <e TAB.
3. Make sure that you have a testable logical condition. Such a condition involves a conditional operator (like == or <).

— PUT YOUR CODE HERE —

— SOLUTION —

```
if action == deposit
  Deposit gold into account
else
  Withdraw gold from account
end if
```

4. **TODO** Refine problem and pseudocode

1. The problem from [1](#) is refined in [1](#):

"Allow a player to deposit or withdraw gold from a game bank account. If a player elects to withdraw gold, ensure that sufficient funds exist."

2. Turn the problem [1](#) into pseudocode.
3. List the variables and the conditional operators used.

— PUT YOUR CODE HERE —

Pseudocode:

Variables and operators used: (make a list)

1.

— SOLUTION —

Pseudocode:

```
if action == deposit
  Deposit gold into account
else
  if balance < amount requested
    Insufficient funds
  else
    Withdraw gold from account
  end if
end if
```

Pseudocode (alternate solution):

```
if action == deposit
  Deposit gold into account
else
  if balance >= amount requested
    Withdraw gold from account
  else
    Insufficient funds
  end if
end if
```

Variables and operators used: (make a list)

1. action
2. deposit
3. balance
4. amount
5. ==
6. < or >=

Author: [yourName] (pledged)

Created: 2022-06-08 Wed 12:16