

C PSEUDOCODE - PRACTICE

README

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

Identify yourself

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

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 —

```
if action == deposit // testable condition
  Deposit gold into account
else
  Withdraw gold from account
```

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 (use the example block below).
3. List the variables and the conditional operators used.

— PUT YOUR CODE HERE —

Pseudocode:

```
if action == deposit
  Deposit gold into account
else
  if balance < amount requested
```

```
        Insufficient funds
    else
        Withdraw gold from account
    end if
end if
```

Variables and operators used: (make a list)

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

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[Validate](#)