



# PRE-POOL

DAY 07

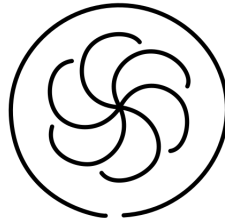


# PRE-POOL



## Code wars

In addition to the daily task below, you must go as far as possible in [this code wars collection](#).  
Try to solve the first one until the last one without skipping challenges!  
Work on it as soon as you have a bit of time, or whenever you need a break in you day!



## Hangman game engine

Let's develop a hangman game engine.

The objective is to guess a word (randomly picked from a list) as fast as possible.  
The player must suggest a letter at each turn.

- ✓ if the word contains this letter, the occurrences of the letter are revealed;
- ✓ if the word does not contain this letter, the player loses 1 point.

No graphical interface here, the game must be playable in a terminal.



At any time, the player can propose a full word.  
If the word is the one to be guessed, the player wins.  
Else, the player loses 1 point.

Here is a game example:

```
Terminal
T-PRE-500> $>python3 hangman.py
- - - - - / 0 point
$> A
Found two 'A'
- - - A - - - A - - / 0 point
$> E
Found one 'A'
- _ E _ A - - - A - - / 0 point
$> T
No 'T' found
- _ E _ A - - - A - - / 1 point
$> L
No 'L' found
- _ E _ A - - - A - - / 2 points
$> M
No 'M' found
- _ E _ A - - - A - - / 3 points
$> gletaminart
GLETAMINART: incorrect guess
- _ E _ A - - - A - - / 4 points
$> N
Found three 'A'
- _ E N A N _ - A N _ / 4 points
$> S
Found two 'S'
S _ E N A N _ - A N S / 4 points
$> T
No 'T' found
S _ E N A N _ - A N S / 5 points
$> G
Found one 'G'
S _ E N A N _ G A N S / 5 points
$> SheNanigaNS
SHENANIGANS: correct guess
Congratulations !
5 points
```



Feel free to adapt the display of the game.

