



[CS 11] Prac 5c – Fibonacci Numbers

Problem Statement

Given n , give me the first n Fibonacci numbers.

The Fibonacci numbers F_0, F_1, F_2, \dots are defined as: $F_0 = 0, F_1 = 1$, and $F_n = F_{n-1} + F_{n-2}$ for $n \geq 2$.

Task Details

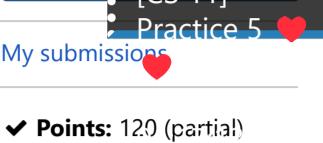
Implement a function called `fibs`:

```
def fibs(n):
```

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- `n` — `int`

Return a `list` of `int`s.



[My submissions](#)

✓ Points: 120 (partial)

⌚ Time limit: 6.0s

☰ Memory limit: 1G

✍ Author:

kvatienza (Kevin Atienza)

➤ Problem type

▼ Allowed languages

NONE, py3

Restrictions

For this problem:

- Loops and lists are allowed.
- Additional functions are **disallowed**.
- Recursion is **disallowed**. (The recursion limit has been greatly reduced.)
- Comprehensions are **disallowed**.
- The following names are now allowed: `range`, `list`, `print`, `append`, `pop`, `extend`, `remove`, `sort`, `insert`, `clear`, `reverse`.
- The source code limit is 350.

Example Calls

Example 1 Function Call

```
fibs(8)
```

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Example 1 Return Value

```
[0, 1, 1, 2, 3, 5, 8, 13]
```

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Constraints

- The function `fibs` will be called at most 10 times.
- $0 \leq n \leq 2,500$.

Scoring

- You get 80 ❤ points if you solve all test cases where:
 - $n \geq 2$.
- You get 40 ❤ points if you solve all test cases.

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Clarifications

[Report an issue](#)

No clarifications have been made at this time.