

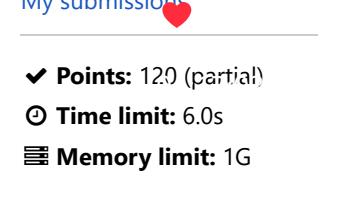


[CS 11] Prac 5b – Basenames of Markdown Files

Problem Statement

We say a filename represents a Markdown file if its name ends with the characters ".md", for example, `hello.md`. Its *basename* is the part before the `.md`, e.g., `hello`.

Given a sequence of filenames, return the sequence of basenames of those representing text files.



My submissions

✓ Points: 120 (partial)

⌚ Time limit: 6.0s

☰ Memory limit: 1G

☒ Author:

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➤ Problem type

▼ Allowed languages

NONE, py3

Task Details

Implement a function called `markdown_file_bases`:

```
def markdown_file_bases(filenames):
```

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- `filenames` — `tuple` of `str`s

Return a `list` of `str`s.

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

```
markdown_file_bases(  
    'hello.md',  
    'fromtheoutside.jpg',  
    'lol.mdown',  
    'lol.amd',  
    'md.txt',  
    'lol.png.md',  
    'lol.png.png',  
    'lol.md.md',  
    'lol',  
    'md.md.md',  
    'md.md.lol',  
    'lolo.md',  
)
```

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Example 1 Return Value

```
[  
    'hello',  
    'lol.png',  
    'lol.md',  
    'md.md',  
    'lolo',  
,
```

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Constraints

- The function `markdown_file_bases` will be called at most 50,000 times.
- The total length of `filenames` across all inputs will be at most 200,000.
- `filenames` will have at most 100,000 elements.
- Each filename is a nonempty string of between 1 and 18 lowercase letters or dots (`.`).

Scoring

- You get 80 ❤ points if you solve all test cases where:
 - `filenames` will have at most 4,000 elements.
 - the total length of `filenames` across all inputs will be at most 8,000.
- You get 40 ❤ points if you solve all test cases.

❓ Clarifications

Report an issue

No clarifications have been made at this time.