

# [CS 11] Prac 2g – Basenames of Text Files

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[oj.dcs.upd.edu.ph/problem/cs11prac2g](https://oj.dcs.upd.edu.ph/problem/cs11prac2g)

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Points: 100 (partial)

Time limit: 4.0s

Memory limit: 1G

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Problem type

Allowed languages

NONE, py3

**Cheatsheet is available here:** <https://oj.dcs.upd.edu.ph/cs11cheatsheet/>

## Problem Statement

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

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

## Task Details

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Implement a function called `text_file_bases`:

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```
def text_file_bases(filenames):
```

- `filenames`—tuple of `strs`

Return a tuple of `strs`.

## Restrictions

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(See 2a for more restrictions)

For this problem:

- Up to 11 function definition is allowed.
- Recursion is **disallowed**. (The recursion limit has been greatly reduced.)
- Comprehensions are allowed.
- `range` is allowed.
- The source code limit is 500500.

## Example Calls

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### Example 1 Function Call

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```
text_file_bases((
    'hello.txt',
    'fromtheoutside.jpg',
    'lol.txt',
    'lol.png.txt',
    'lol.png.png',
    'lol.txt.txt',
    'lol',
    'txt.txt.txt',
    'txt.txt.lol',
    'lolo.txt',
))
```

### Example 1 Return Value

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```
(
    'hello',
    'lol.png',
    'lol.txt',
    'txt.txt',
    'lolo',
)
```

## Constraints

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- The function `text_file_bases` will be called at most 1,0001,000 times.
- `filenames` will have at most 4040 elements.
- Each filename consists of between 11 and 2020 lowercase letters or dots (.).

## Scoring

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- You get 100100 ❤️ points if you solve all test cases.

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## Clarifications

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No clarifications have been made at this time.