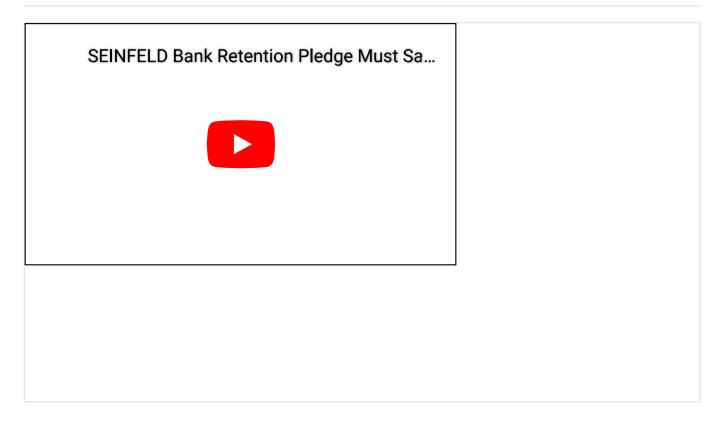
CS50 Handbook

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Home Federal Savings Bank



In season 7, episode 24 (https://en.wikipedia.org/wiki/The_Invitations) of Seinfeld (https://en.wikipedia.org/wiki/Seinfeld), Kramer (https://en.wikipedia.org/wiki/Cosmo_Kramer) visits a bank that promises to give \$100 to anyone who isn't greeted with a "hello." Kramer is instead greeted with a "hey," which he insists isn't a "hello," and so he asks for \$100. The bank's manager proposes a compromise: "You got a greeting that starts with an 'h,' how does \$20 sound?" Kramer accepts.

In a file called bank.py, implement a program that prompts the user for a greeting. If the greeting starts with "hello", output \$0. If the greeting starts with an "h" (but not "hello"), output \$20. Otherwise, output \$100. Ignore any leading whitespace in the user's greeting, and treat the user's greeting case-insensitively.

▼ Hints

- Recall that a str comes with quite a few methods, per docs.python.org/3/library/stdtypes.html#string-methods (https://docs.python.org/3/library/stdtypes.html#string-methods).
- Be sure to give \$0 not only for "hello" but also "hello there", "hello, Newman", and the like.

Demo

```
Greeting: How you doing?

$20
$ python bank.py
Greeting: What's happening?
$100
$ python bank.py
Greeting: What's up?
$100
$ python bank.py
Greeting: How's it going?
$20
$
```

Recorded with asciinema

Before You Begin

- 1. Log into code.cs50.io/) using your GitHub account.
- 2. Click inside the terminal window and execute cd.

- 3. Execute wget https://cdn.cs50.net/2022/fall/labs/6/bank.zip followed by Enter in order to download a zip called bank.zip in your codespace. Take care not to overlook the space between wget and the following URL, or any other character for that matter!
- 4. Now execute unzip bank.zip to create a folder called bank.
- 5. You no longer need the ZIP file, so you can execute rm bank.zip and respond with "y" followed by Enter at the prompt.
- 6. Finally, right-click or control-click on the bank folder and click "Open in CS50 Lab". You should see the specification for this problem on the left-hand side and its distribution code on the right-hand side.

How to Test

Here's how to test your code manually:

Run your program with python bank.py. Type Hello and press Enter. Your program should output:

\$0

Run your program with python bank.py . Type Hello, Newman and press Enter. Your program should output:

\$0

Run your program with python bank.py. Type How you doing? and press Enter. Your program should output

\$20

Run your program with python bank.py. Type What's happening? and press Enter. Your program should output

\$100

You can execute the below to check your code using check50, a program that CS50 will use to test your code when you submit. But be sure to test it yourself as well!

check50 cs50/problems/2022/python/bank

Green smilies mean your program has passed a test! Red frownies will indicate your program output something unexpected. Visit the URL that check50 outputs to see the input check50 handed to your program, what output it expected, and what output your program actually gave.

How to Submit

No need to submit! This is a practice problem.