

CS50 Handbook

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Home Federal Savings Bank

SEINFELD Bank Retention Pledge Must Sa...



In [season 7, episode 24](https://en.wikipedia.org/wiki/The_Invitations) (https://en.wikipedia.org/wiki/The_Invitations) of [Seinfeld](https://en.wikipedia.org/wiki/Seinfeld) (<https://en.wikipedia.org/wiki/Seinfeld>), [Kramer](https://en.wikipedia.org/wiki/Cosmo_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 (<https://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.