CS50's Introduction to Programming with Python

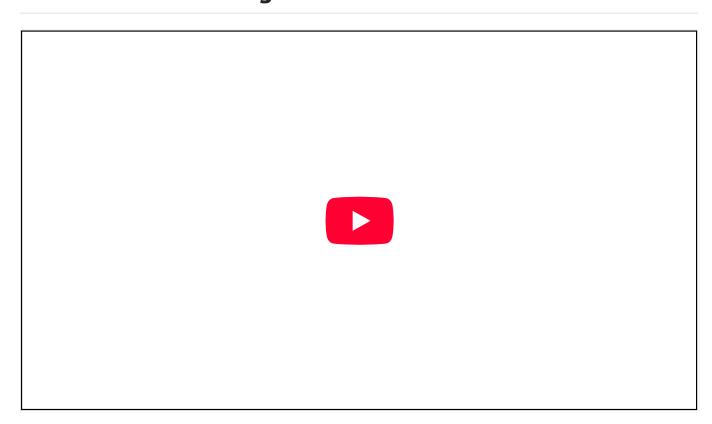
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Home Federal Savings Bank



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

Demo

```
$0
$ python bank.py
Greeting: Hello, Newman
$0
$ python bank.py
Greeting: Hey
$20
$ python bank.py
Greeting: How you doing?
$20
$ python bank.py
Greeting: Greeting: How you doing?
```

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Before You Begin

Log into <u>cs50.dev</u> (https://cs50.dev/), click on your terminal window, and execute cd by itself. You should find that your terminal window's prompt resembles the below:

\$

Next execute

mkdir bank

to make a folder called bank in your codespace.

Then execute

cd bank

to change directories into that folder. You should now see your terminal prompt as bank/\$. You can now execute

code bank.py

to make a file called bank.py where you'll write your program.

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

In your terminal, execute the below to submit your work.

submit50 cs50/problems/2022/python/bank