

CS50's Introduction to Programming with Python

OpenCourseWare

Donate  (<https://cs50.harvard.edu/donate>)

David J. Malan (<https://cs.harvard.edu/malan/>)

malan@harvard.edu

 (<https://www.facebook.com/dmalan>)  (<https://github.com/dmalan>) 

(<https://www.instagram.com/davidjmalan/>)  (<https://www.linkedin.com/in/malan/>)

 (<https://www.reddit.com/user/davidjmalan>) 

(<https://www.threads.net/@davidjmalan>)  (<https://twitter.com/davidjmalan>)

Felipe's Taqueria

Note that, as of **Wednesday, October 25, 2023 at 6:59 PM GMT+3**

(<https://time.cs50.io/20231025T115900-0400>), the prices of Felipe's have been updated!

One of the most popular places to eat in

Harvard Square

(https://en.wikipedia.org/wiki/Harvard_Square)

is Felipe's Taqueria

(<https://www.felipesboston.com/>), which offers

a menu (<https://www.felipesboston.com/menu>)

of entrees, per the `dict` below, wherein the

value of each key is a price in dollars:



```
{
    "Baja Taco": 4.25,
    "Burrito": 7.50,
    "Bowl": 8.50,
    "Nachos": 11.00,
    "Quesadilla": 8.50,
    "Super Burrito": 8.50,
    "Super Quesadilla": 9.50,
    "Taco": 3.00,
    "Tortilla Salad": 8.00
}
```

In a file called `taqueria.py`, implement a program that enables a user to place an order,

prompting them for items, one per line, until the user inputs control-d (which is a common way

of ending one's input to a program). After each inputted item, display the total cost of all items inputted thus far, prefixed with a dollar sign (\$) and formatted to two decimal places. Treat the user's input case insensitively. Ignore any input that isn't an item. Assume that every item on the menu will be titlecased (<https://docs.python.org/3/library/stdtypes.html#str.title>).

► Hints

Demo

```
Item:
$ python taqueria.py
Item: nachos
Total: $11.00
Item: taco
Total: $14.00
Item: taco
Total: $17.00
Item: taco
Total: $20.00
Item:
$
```

Recorded with [asciinema](#)

Before You Begin

Log into cs50.dev (<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 taqueria
```

to make a folder called `taqueria` in your codespace.

Then execute

```
cd taqueria
```

to change directories into that folder. You should now see your terminal prompt as `taqueria/`. You can now execute

```
code taqueria.py
```

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

How to Test

Here's how to test your code manually:

- Run your program with `python taqueria.py`. Type `Taco` and press Enter, then type `Taco` again and press Enter. Your program should output:

```
Total: $6.00
```

and continue prompting the user until they input control-d.

- Run your program with `python taqueria.py`. Type `Baja Taco` and press Enter, then type `Tortilla Salad` and press enter. Your program should output:

```
Total: $12.25
```

and continue prompting the user until they input control-d.

- Run your program with `python taqueria.py`. Type `Burger` and press Enter. Your program should reprompt the user.

Be sure to try other foods and vary the casing of your input. Your program should behave as expected, case-insensitively.

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/taqueria
```

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/taqueria
```

