

Tip Calculator

And now for my Wizard tip calculator.

— Morty Seinfeld

In Nigeria, it is not so usual for restaurant workers to get tips, but you just came back from abroad and you are used to giving tips to waiters and now you want to calculate 15% or more of your meal's cost. Not to worry, though, we've written a tip calculator for you, below!

```
def main():
    dollars = dollars_to_float(input("How much was the meal? "))
    percent = percent_to_float(input("What percentage would you like to tip? "))
    tip = dollars * percent
    print(f"Leave ${tip:.2f}")

def dollars_to_float(d):
    # TODO

def percent_to_float(p):
    # TODO

main()
```

Well, most of the calculator has been written for you. Unfortunately, there wasn't enough time to implement the other two functions

- `dollars_to_float`, which should accept a str as input (formatted as `###.##`, wherein each `#` is a decimal digit), remove the leading `$`, and return the amount as a float. For instance, given `$50.00` as input, it should return `50.0`.
- `percent_to_float`, which should accept a str as input (formatted as `##%`, wherein each `#` is a decimal digit), remove the trailing `%`, and return the percentage as a float. For instance, given `15%` as input, it should return `0.15`.

Assume that the user will input values in the expected formats.

Hints

- An input returns a str, per docs.python.org/3/library/functions.html#input.
 - A float can convert a str to a float, per doc per docs.python.org/3/library/functions.html#float.
 - A str comes with quite a few methods, per docs.python.org/3/library/stdtypes.html#string-methods.
-

How to Test

Here's how to test your code manually:

- Run your program with `python tip.py`. Type \$50.00 and press Enter. Then, type 15% and press Enter. Your program should output:

Leave \$7.50

- Run your program with `python tip.py`. Type \$100.00 and press Enter. Then, type 18% and press Enter. Your program should output:

Leave \$18.00

- Run your program with `python tip.py`. Type \$15.00 and press Enter. Then, type 25% and press Enter. Your program should output

Leave \$3.75

Demo

```
$ python tip.py
How much was the meal? $50.00
What percentage would you like to tip? 15%
Leave $7.50
$ █
```

Recorded with [asciinema](#)