FutureValueCalculator

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Inspired by Joel Murach and Michael Urban "Murach's Python Programming.

PRACTICE EXERCISE:

Inspired by Joel Murach and Michael Urban "Murach's Python Programming.

This program uses a loop to get the future value of a one time investement. The user invests a certain amount of money in an account, and doesn't add any more ever again. The account collects interest and after a number of years, the program prints out the value if the initial investment of the account.

Here is an example of a for loop that does this calulation:

```
year = 0
investment = 1000

while year < 20:
    yearly_interest = investment * .05
    investment = investment + yearly_interest
    year += 1
investment = round(investment, 2)
```

The steps are not spelled out for you as they were in the last exercise. You can now choose your function names and make other design descisions about your program.

Part 1

STEP	DIRECTIONS
1.	Make a program with the code above and make sure it runs correctly.
2.	Convert the program to accept user input.
3.	Convert the program so that it uses functions. Be sure to use a main function.
4.	Add a menu. For right now, the menu will just have two items, 1. Calculate future value, and 2. Quit. We can add new calculations later.
5.	Print out the value of the investment each year with each line clearly labled using good formatting. Print the total value of the investment at the bottom.
6.	Convert the program so that it writes the yearly output (value of the investment each year) and the grand total (after x many years) to a file.
7.	Add a new menu item. Add a menu item that performs the future value calculation (just the same way as in step #6, but this time add a new function that does the calculation with a for loop using the range function.