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Assignment 1.3

```python
# BeerBottles.py
# beer bottles song program
def countdown_bottles(num_bottles):
    """
    Counts down bottles of beer and prints the lyrics.

    Args:
        num_bottles: The initial number of bottles.
    """

    while num_bottles > 1:
        print(f"{num_bottles} bottles of beer on the wall, {num_bottles} bottles of beer.")
        num_bottles -= 1
        print(f"Take one down, pass it around, {num_bottles} bottles of beer on the wall.\n")

    if num_bottles == 1:
        print("1 bottle of beer on the wall, 1 bottle of beer.")
        print("Take it down, pass it around, 0 bottles of beer on the wall.")
        print("Go to the store and buy some more, 99 bottles of beer on the wall!\n")

    if num_bottles == 0:
        print("0 bottles of beer on the wall, 0 bottles of beer.")
        print("Go to the store and buy some more, 99 bottles of beer on the wall!\n")

def main():
    """
    Prompts the user for the number of bottles and starts the countdown.
    """

    print("Welcome to the 'Bottles of Beer' countdown program!")

    while True:
        try:
            user_input = int(input("How many bottles of beer are on the wall? "))
            if user_input < 0:
                print("Please enter a number greater than or equal to 0.")
                continue
            break
        except ValueError:
            print("Invalid input! Please enter a whole number.")

    countdown_bottles(user_input)

    print("Thanks for using the 'Bottles of Beer' program!")

if __name__ == "__main__":
    main()
```

References

ChatGPT - Flowchart for beer countdown. (2024, December 3). ChatGPT. Retrieved December 3, 2024, from https://chatgpt.com/share/674f47da-2e64-8000-972f-b056ff5417dd

Roel Van de Paar. (2022, September 17). Code Review: 99 bottles of beer on the wall in Python 3 (2 Solutions!!) [Video]. YouTube. https://www.youtube.com/watch?v=r_BsBEbn9OI