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Lab 3

Write a program that will calculate the cost of a trip after gathering the distance in miles, MPG of the car and the current price for a gallon of gas. The program must ask the user if they wish to continue.

Inputs:

* Destination
* Distance (miles)
* MPG
* Cost for a gallon of gas
* If they wish to continue

Outputs:

* Destination
* Total miles
* Mpg
* Gas consumption
* Trip cost

Datatypes

* Destination = string
* Distance = integer
* MPG = integer
* Gallon\_cost = float
* Gas consumption = float
* Trip\_cost = float
* Continue = string

30,000 foot view

* Declare variables
* Gather inputs
  + Ask for the destination
  + Ask for the total miles
  + Ask for the MPG
  + Ask for the cost of a gallon of gas
* Make calculations
  + Calculate the gallons used
    - Total miles/ MPG
  + Calculate the total cost
    - Gallons used \* cost of a gallon
* Output the results
* Ask if they wish to continue
  + If yes then repeat
  + If no then end and say “Goodbye.”