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#-----------------------------------#
#   Connor Seemann Seat 23 Lab 6.1   #
#-----------------------------------#

#This program will convert cups to fluid onces and vice versa

def cups_to_fluid(cups):
    return cups * 8
def fluid_to_cups(fluid):
    return fluid / 8

def main():
    print("This program will convert cups to fluid onces and vice versa")

    function = input("Enter 1 for cups to fluid onces, enter 2 for fluid onces
     to cups: ") # Get input from user for what function they want

    if function == '1':
        cups = eval( input("Please enter the cups: ") ) # gets the amount of
         cups to convert
        print("There are {:.2f} fluid onces in {:.2f}
         cups".format(cups_to_fluid(cups), cups))
        function = input("Enter 1 for cups to fluid onces, enter 2 for fluid
         onces to cups: "); main()
    elif function == '2':
        fluid = eval( input("Please enter the fluid onces: ") ) # gets the
         amount of fluid onces to convert
        print("There are {:.2f} cups in {:.2f} fluid
         onces".format(fluid_to_cups(fluid), fluid))
        function = input("Enter 1 for cups to fluid onces, enter 2 for fluid
         onces to cups: "); main()
    else:
        print("Please try again...") # Fall through protection
        main()

if __name__ == "__main__":
    main() # goes to main def

#-----------------------------------#
#   Connor Seemann Seat 23 Lab 6.2   #
#-----------------------------------#

#This program will calculate your BMI given that you enter your height in
 inches and weight in pounds

def calcBMI(weight, height):
    return weight/height**2 # returning the output

if __name__ == "__main__":
    print("This program will calculate your BMI")
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weight = eval( input( "Please enter your weight in pounds: ") ) # gets the
 input for weight
height = eval( input("Please enter your height in inches: ") )

print("Your BMI is {:.2f}".format(calcBMI(weight * 0.45359237 , height *
 .0254)) ) #converts weight into kg and height into meters inside the call
 function
```