

Programming Exercise 3-4

```
# main module
def main():
    # Local variables
    loan = 0.0
    insurance = 0.0
    gas = 0.0
    oil = 0.0
    tires = 0.0
    maintenance = 0.0

    # Get the amount of the loan payment
    loan = float(input("Enter the monthly loan amount: "))

    # Get the amount of insurance
    insurance = float(input("Enter the monthly insurance amount: "))

    # Get the amount of gas
    gas = float(input("Enter the monthly gas amount: "))

    # Get the amount of oil
    oil = float(input("Enter the monthly oil amount: "))

    # Get the amount for tires
    tires = float(input("Enter the monthly tires amount: "))

    # Get the amount for maintenance
    maintenance = float(input("Enter the monthly maintenance amount: "))

    # print information about the vehicle
    showExpenses(loan, insurance, gas, oil, tires, maintenance)

# The showExpenses function accepts loan, insurance, gas, oil, tires, and
# maintenance information as arguments and displays the equivalent
# total expense information.
def showExpenses(loan, insure, gas, oil, tires, maintenance):
    #local variables
    totalMonth = 0.0
    totalYear = 0.0
    totalMonth = loan + insure + gas + oil + tires + maintenance
    totalYear = totalMonth * 12

    #print monthly and annual information
    print ("Total monthly expense: $", format(totalMonth, '.2f'))
    print ("Total annual expense: $", format(totalYear, '.2f'))
```

