Programming Exercise 3-1

```python
# Global constant for conversion
KILOMETERS_TO_MILES = 0.6214

# main def
def main():
    # Local variables
    mykilometers = 0.0   # Variable to hold the distance in kilometers

    # Get distance in kilometers
    mykilometers = float(input("Enter the distance in kilometers: "))

    # Print miles
    showMiles(mykilometers)




# The showMiles function accepts kilometers as an argument
# and prints the equivalent miles.
def showMiles(kilometers):
    #Declare local variables
    miles = 0.0

    miles = kilometers * KILOMETERS_TO_MILES
    print ("The conversion of", format(kilometers, '.2f'), "kilometers")
    print ("to miles is", format(miles, '.2f'), "miles.")
```

Global Constant Real
KILOMETERS_TO_MILES

main()

Declare
distanceKilometers

getKilometers
(distanceKilometers)

showMiles
(distanceKilometers)

End

**getKilometers
(Ref kilometers)**

Display "Enter
the distance in
kilometers."

Input
kilometers

Return

**showMiles
(kilometers)**

Declare
miles

Set miles =
kilometers *
KILOMETERS
_TO_MILES

Display
"The conversion of ",
kilometers, " to miles
is ", miles, " miles."

Return