# This Python program defines a dictionary from a file.

# The file contains 20 countries and per capita income info.

# It displays all countries and income information, then

# prompts the user to request information about a country.

##

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##

# create empty dictionary

perCapitaDictionary = {}

try :

# test for file path.

inputFile = open("C:\\Test\\percapita.txt", "r")

# iterate each line in file strip the strings

# and assign them to the dictionary. country as key

for line in inputFile :

lineInput = line.split()

country = lineInput[0]

perCapita = lineInput[1]

perCapitaDictionary[country] = perCapita

# show the dictionary info

print("Dictionary before formatting output:\n")

print(perCapitaDictionary)

# formatted dictionary output for easier reading

print("\n")

print("Dictionary after formatting:\n")

for key in perCapitaDictionary:

print("%-20s %s" % (key, perCapitaDictionary[key]))

# prompt for user input

userInput = input("\nEnter a country name to get per capita income information: ")

# verify user input exists in file

if userInput in perCapitaDictionary :

print("\n%-20s %s \n" % (userInput, perCapitaDictionary[userInput]))

else :

print("\nI don't have that information on file.\n")

# exception handling for bad file path

except IOError :

print("Error File Not Found")

# always close the file when done

finally :

inputFile.close()

**OUTPUT** (cropped for easier reading):

