

## **Programming Project 10**

Assume the file `popular_names.txt` contains the 400 most popular names given to children born in the United States from the year 2000 through 2009. The file contains 400 lines, with one name per line.

Write a program that reads the contents of the file into a list. The program should display the following string to prompt the user to enter a name:

```
'Enter a name: '
```

The program should then display a message indicating whether the name is among the most popular. If the name is found in the list, the program should display the following message:

```
'That was a popular name between 2000 and 2009.'
```

If the name is not found in the list, the program should display the following message:

```
'That was not a popular name between 2000 and 2009.'
```

## **Answer**

```
def check_name():
    # Open the file and read the names into a list
    with open('popular_names.txt', 'r') as file:
        popular_names = [line.strip() for line in file]

    # Prompt the user to enter a name
    name = input('Enter a name: ')

    # Check if the name is in the list and display the appropriate message
    if name in popular_names:
        print('That was a popular name between 2000 and 2009.')
    else:
        print('That was not a popular name between 2000 and 2009.')
```

```
# Call the function  
check_name()
```