

7) Write a c++ program to demonstrate the static and non static variable usage defining them within a function

```
#include <iostream>
void demoFunction() {
    // Non-static variable
    int nonStaticVar = 0;
    // Static variable
    static int staticVar = 0;
    // Increment both variables
    nonStaticVar++;
    staticVar++;
    // Display the values
    std::cout << "Non-static variable: " << nonStaticVar << std::endl;
    std::cout << "Static variable: " << staticVar << std::endl;
}

int main() {
    // Call the function multiple times to observe the behavior
    std::cout << "First call to demoFunction:" << std::endl;
    demoFunction();

    std::cout << "\nSecond call to demoFunction:" << std::endl;
    demoFunction();

    return 0;
}
```