↑4.12 C++ example: Salary calculation with loops

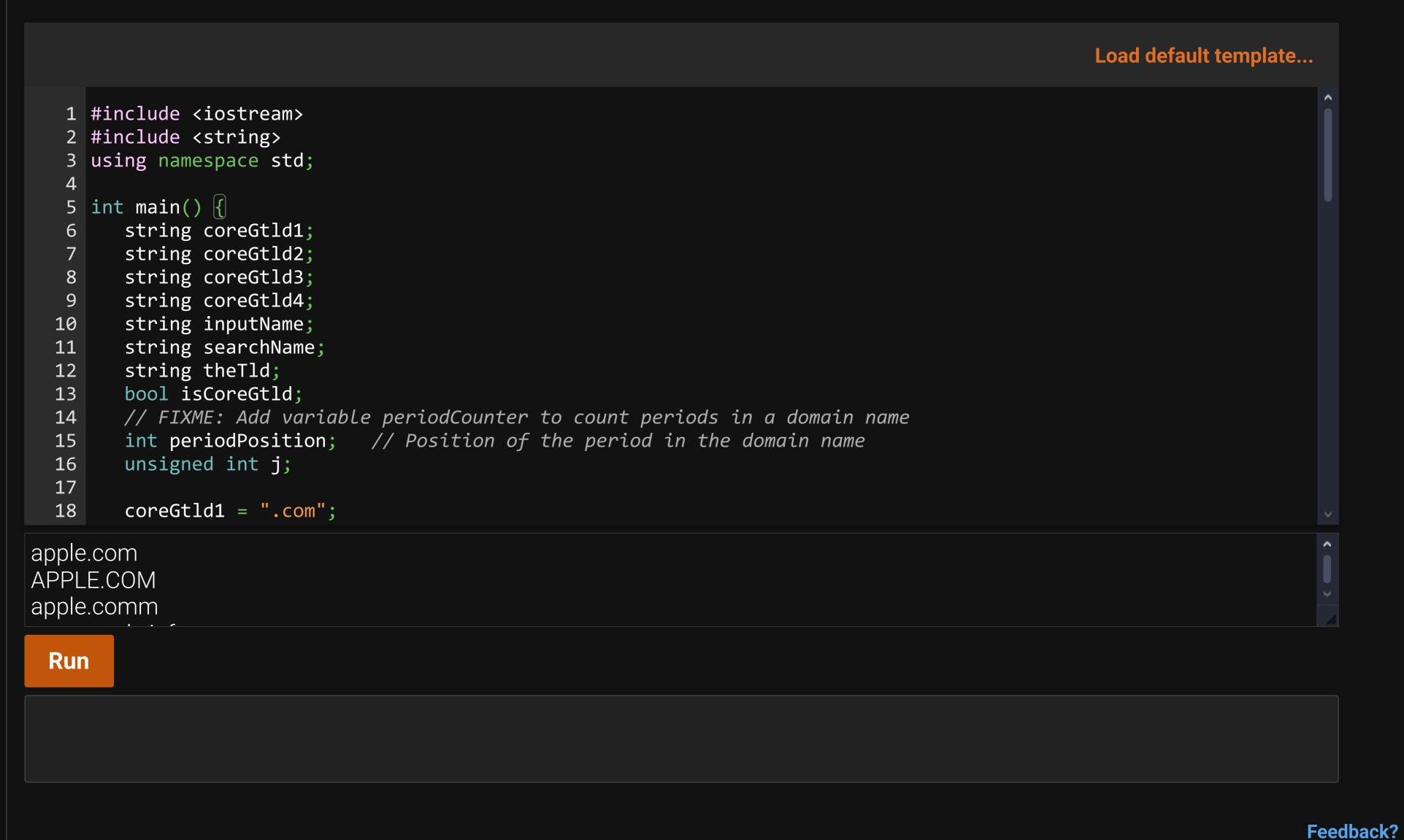
4.13 C++ example: Domain name validation with loops

zyDE 4.13.1: Validate domain names.

A top-level domain (TLD) name is the last part of an Internet domain name like .com in example.com. A core generic top-level domain (core gTLD) is a TLD that is either .com, .net, .org, or .info. A **second-level domain** is a single name that precedes a TLD as in apple in apple.com

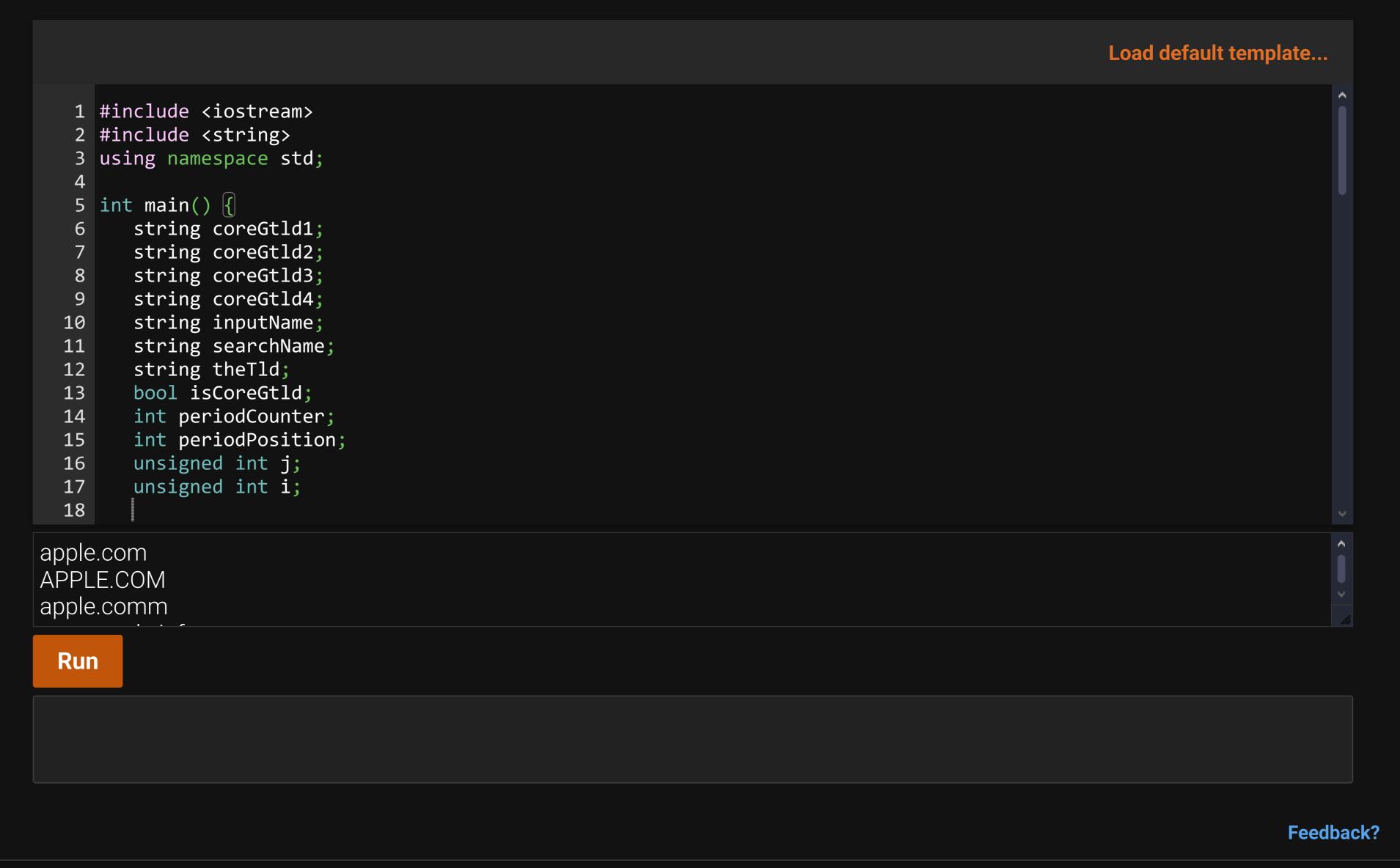
The following program uses a loop to repeatedly prompt for a domain name, and indicates whether that domain name consists of a second-level domain followed by a core gTLD. An example of a valid domain name for this program is apple.com. An invalid domain name for this program is support apple com because the name contains two periods. The program ends when the user presses just the Enter key in response to a prompt.

- 1. Run the program and enter domain names to validate. Note that even valid input is flagged as invalid.
- 2. Change the program to validate a domain name. A valid domain name for this program has a second-level domain followed by a core gTLD. Run the program again.



A solution for the above problem follows.

zyDE 4.13.2: Validate domain names (solution).



How was this section?



Provide section feedback