



Students:
Section 3.21 is a part of 1 assignment: **CSC108 CH03.11-3.20 P3B**

Includes: PA
Due: 02/25/2025, 11:59 PM EST

This assignment's due date has passed. Activity will still be recorded, but will not count towards this assignment (unless the due date is changed). See [this article](#) for more info.

3.21 C++ example: Search for name using branches

zyDE 3.21.1: Search for name using branches.

A **core generic top-level domain (core gTLD)** name is one of the following Internet domains: .com, .net, .org, and .info ([ICANN: gTLDs](#)). The following program asks the user to input a name and prints whether that name is a gTLD. The program uses the equality operators ==, which evaluates to true if the two compared strings are identical.

1. Run the program, noting that the .info input name is not currently recognized as a gTLD.
2. Extend the if-else statement to detect the .info domain name as a gTLD. Run the program again.
3. Extend the program to allow the user to enter the name with or without the leading dot, so .com or just com.

Load default template...

```
1 #include <iostream>
2 #include <string>
3 #include <cctype>
4 using namespace std;
5
6 int main() {
7     string inputName;
8     string searchName;
9     string coreGtld1;
10    string coreGtld2;
11    string coreGtld3;
12    // FIXME: Add a fourth core gTLD: .info
13    bool isCoreGtld = false;
14
15    coreGtld1 = ".com";
16    coreGtld2 = ".net";
17    coreGtld3 = ".org";
18
19    string name;
20    cout << "Enter a name: ";
21    getline(cin, name);
22
23    if (name == coreGtld1 || name == coreGtld2 || name == coreGtld3)
24        cout << "That is a core gTLD." << endl;
25    else
26        cout << "That is not a core gTLD." << endl;
27
28    return 0;
29 }
```

.info

Run

Feedback?

Below is a solution to the above problem.

zyDE 3.21.2: Search for name using branches (solution).

Load default template...

```
1 #include <iostream>
2 #include <string>
3 #include <cctype>
4 using namespace std;
5
6 int main() {
7     string inputName;
8     string searchName;
9     string coreGtld1;
10    string coreGtld2;
11    string coreGtld3;
12    string coreGtld4;
13    bool isCoreGtld;
14
15    coreGtld1 = ".com";
16    coreGtld2 = ".net";
17    coreGtld3 = ".org";
18    coreGtld4 = ".info";
19
20    string name;
21    cout << "Enter a name: ";
22    getline(cin, name);
23
24    if (name == coreGtld1 || name == coreGtld2 || name == coreGtld3 || name == coreGtld4)
25        cout << "That is a core gTLD." << endl;
26    else
27        cout << "That is not a core gTLD." << endl;
28
29    return 0;
30 }
```

.info

Run

Feedback?

How was this section? | Provide section feedback

Activity summary for assignment: CSC108 CH03.11-3.20 P3B

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96 / 96 points

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