NATIVE INSTRUMENTS

C++ Template:

```
class MyClass
{
public:
        getNiCount(...)
        {
        }

        replaceNiWithNI(...)
        {
        }
};

int main()
{
        const char *szTestString1 = "Ni nI NI nI Ni";
        const wchar_t *szTestString2 = L"Ni nI NI nI Ni";

        // Invoke getNiCount(...) of class MyClass
        // Invoke replaceNiWithNI(...) of class MyClass

        // Display on screen: "Found X occurrences of Ni. New string: Y"
}
```

Task description:

1. Implement the two functions getNiCount and replaceNiWithNI of the class MyClass:

- getNiCount should return the number of occurrences of "Ni" within szTestString1/2 (case sensitive)
- replaceNiWithNI should replace all occurrences of "Ni" in szTestString1/2 with "NI" (case sensitive)

2. Invoke the two functions getNiCount and replaceNiWithNI.

3. Display the string given in the last comment on screen. X and Y should be replaced with the real values.

4. The class MyClass should be able to deal with both szTestString1 (ASCII) and szTestString2 (Unicode).

General requirements:

The code should be

- easy to understand and maintain (Priority 1)

- technically elegant (Priority 2)

- as (CPU) efficient as possible (Priority 3)

You’re allowed to use all technics, toolkits and frameworks which are based on the C++ language.

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