```
// CharacterCounter.cpp
// Assignment2
//
// Created by Ekrar Efaz on 4/4/23.
//
#include "CharacterCounter.h"
CharacterCounter::CharacterCounter() noexcept : fTotalNumberOfCharacters(0)
    for (int i = 0; i < 256; ++i)
    {
        fCharacterCounts[i] = CharacterMap(i,0);
    }
// Increment the frequency of the given character
void CharacterCounter::count(unsigned char aCharacter) noexcept
    fCharacterCounts[aCharacter].setCharacter(aCharacter);
    fCharacterCounts[aCharacter].increment();
    ++fTotalNumberOfCharacters;
}
// Return the CharacterMap object corresponding to the given character
const CharacterMap& CharacterCounter::operator[] (unsigned char aCharacter) const noexcept
   return fCharacterCounts[aCharacter];
```