

bintodec(std::string_view)

1. Write a C++ program for your computer that takes a `std::string` and validates its each character. If all the characters are either `'0'` or `'1'`, then process the string and output its decimal value.

You can use this template to get started.

```
#include <iostream>
#include <string_view>

int32_t bintodec(std::string_view number)
{
    // your code here
}

int main()
{
    std::string number("10011");
    auto converted { bintodec(number) }; // should return 19

    std::cout << "The decimal equivalent is = "
              << number << std::endl;

    number = "122000"; // invalid binary number
    converted = bintodec(number); // this should be an error

    std::cout << "The decimal equivalent is = "
              << number << std::endl;
}
```