**Day 65/180 Pointers with Character Arrays and Functions**

1. **What is void\*, and what is its use case**
2. **What is static\_cast in c++.**
3. **What is the difference between below 2 lines**

**const char \*str = "Hello, World!";**

**char \*str = "Hello, World!";**

**4:**

#include <iostream>

using namespace std;

int calculateLength(const char \*str) {

int length = 0;

// Calculate the length of string

}

int main() {

const char \*myString = "Hello, World!";

cout << "Length of the string: " <<calculateLength(myString) << endl

return 0;

}

**5: Write a function to check if a C-style string is a palindrome.**

#include <iostream>

#include <cstring>

Using namespace std;

bool isPalindrome(const char \*str) {

// Check for palindrome

}

int main() {

const char \*palindrome1 = "level";

const char \*palindrome2 = "hello";

cout << "Is '" << palindrome1 << "' a palindrome? " << (isPalindrome(palindrome1) ? "Yes" : "No") <<endl;

cout << "Is '" << palindrome2 << "' a palindrome? " << (isPalindrome(palindrome2) ? "Yes" : "No") <<endl;

return 0;

}