

## 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;
}
```