

# CS1580 Lab 10

---

## Objective

This lab is to make you familiar with concept of Null terminating character arrays.

## Assignment

In this assignment, you will check whether the username chosen by the user is valid or not. Also, you will check whether the passwords entered by the user are same or not. Must use the **getline()** function while taking user input.

- The username should be a palindrome and the size of the username should be less than 11.
- Prompt the user to enter the password twice and check whether the re-entered password is same as the first password.
- Password size must be less than 20

## Sample output:

```
Enter your first name :
Joe
Enter your last name :
Miner
Enter your age
20
enter a new username you want(less than 11 chars and should be a palindrome): JoeMiner
username is invalid
enter a new username you want(less than 11 chars and should be a palindrome): hanah
enter a new password for your account (size of the pass should be less than 20):pass
please re-enter the password:password
the 2 passwords don't match
enter a new password for your account (size of the pass should be less than 20):password
please re-enter the password:password
Your name is :Joe Miner
Your username is:hanah
Your password is:password
```

The code must contain the following:

- `bool checkPalindrome(char arr[])` : checks whether the character array `arr[]` is a palindrome or not

Note: You don't have to split the code into multiple files.

Hints:

- A **palindrome** is a word, number, phrase, or other sequence of characters which reads the same backward as forward  
Examples: hanah, racecar, radar
- `#include <cstring>` to make use of `strlen()` and `strcmp()`