CS 211

Lab05 - Warm-Up Functions

Identify the actual string.h library function for strMystery2( ):<u>strcpy()</u>

Add comments to fully describe the purpose/effect of each code line…

```c
void strMystery2(char* str1, char* str2) {
    while (*str2 != '\0') { //iterates over str2 until the
null character
        *str1 = *str2; // sets char at each index equal to
each other
        str1++;
        str2++;
     }
    *str1 = '\0'; // adds the null character to the end of
the copied str1
}
```

Identify the actual string.h library function for strMystery4( ):<u>strlen()</u>

Add comments to fully describe the purpose/effect of each code line…

```c
int strMystery4(char* str) {
    char* pStr = str; //pointer to the string
    while (*pStr != '\0') { //iterate over all chars in the
string
        pStr++;
    } // pointer now points to last non-null char of the
string
```

```
    return pStr - str; //returns last char - first char
        //returns the length of the string
}
```