

Personalized Greeting:

```
#include <stdio.h>
```

```
int main() {  
    Char wish[50]="Hello ";  
    char name[50];  
    printf("Enter your name: ");  
    gets(name); // Use gets to read the entire line  
    strcat(wish,name);;  
    puts(wish); // Use puts to display the name  
  
    return 0;  
}
```

Convert Name to Uppercase

```
#include <stdio.h>
```

```
#include <string.h>
```

```
int main() {  
    char name[50];  
    printf("Enter your name: ");  
    gets(name);  
  
    printf("Original Name: ");  
    puts(name);  
  
    // Convert to uppercase  
    strupr(name);  
  
    printf("Uppercase Name: ");  
    puts(name);  
  
    return 0;  
}
```

Combine First and Last Name

```
#include <stdio.h>
```

```
#include <string.h>
```

```
int main() {  
    char firstName[50], lastName[50], fullName[100];  
    printf("Enter your first name: ");
```

```

    gets(firstName);
    printf("Enter your last name: ");
    gets(lastName);

    strcpy(fullName, firstName);
    strcat(fullName, " ");
    strcat(fullName, lastName);

    printf("Full Name: ");
    puts(fullName);

    return 0;
}

```

Compare two strings

```

#include <stdio.h>
#include <string.h>

int main() {
    char str1[50], str2[50];
    printf("Enter first string: ");
    gets(str1);
    printf("Enter second string: ");
    gets(str2);

    if (strcmp(str1, str2) == 0) {
        printf("The two strings are equal.\n");
    } else {
        printf("The two strings are not equal.\n");
    }

    return 0;
}

```

Check if a String is a Palindrome

```

#include <stdio.h>
#include <string.h>

int main() {
    char str[50], reversed[50];
    int length;

```

```
printf("Enter a string: ");
gets(str);

// Copy the original string to reversed
strcpy(reversed, str);

// Reverse the string
strrev(reversed);

// Compare original and reversed strings
if (strcmp(str, reversed) == 0) {
    printf("The string is a palindrome.\n");
} else {
    printf("The string is not a palindrome.\n");
}

return 0;
}
```