

# Copy a String

```
#include <stdio.h>
int main()
{
char s1[100], s2[100];
int i=0;
printf("Enter a name: ");
scanf("%s", s1);
while(s1[i]!='\0') {
    s2[i] = s1[i];
    i++;
}
s2[i]='\0';
printf("%s", s2);
return 0;
}
```

# Reverse a String

```
#include <stdio.h>

int main()
{
    char s1[100], s2[100];
    int i,j=0, length=0;
    printf("Enter a name: ");
    scanf("%s", s1);
    while(s1[length] != '\0')
        length++;

    for(i=length-1; i>=0; i--) {
        s2[j] = s1[i];
        j++;
    }
    s2[j]='\0';
    printf("%s", s2);
    return 0;
}
```

# Check Palindrome

```
#include <stdio.h>

int main(){
    char s1[100];
    int i, length=0;
    printf("Enter a name: ");
    scanf("%s", s1);
    while(s1[length] != '\0') {
        length++;
    }

    for(i=0; i<length; i++) {
        if(s1[length-1-i] != s1[i]){
            printf("not palindrome");
            break;
        }
    }
    if(i==length) printf("palindrome");
    return 0;
}
```