

```
1. #include <stdio.h>
2. #include <conio.h>
void main()
{
    char str1[25], str2[25];
    int i=0;
    int len=0;
    clrscr();
    printf("Enter the first string\n");
    gets(str1);
    while(str1[i] != '\0')
    {
        str2[i] = str1[i];
        i++;
    }
    str2[i] = '\0';
    printf("\n The copied string is\n");
    puts(str2);
    i=0;
    while(str2[i] != '\0')
        i++;
    len=i;
    printf("\n The length of the string is\n\n");
    printf("%d", len);
    getch();
}
```

```

2. #include <stdio.h>
#include <conio.h>
void main()
{
    char str1[25], str2[25], str3[25];
    int i=0, j=0, k=0, len=0;
    clrscr();
    printf("Enter the first string\n");
    gets(str1);
    printf("Enter the second string\n");
    gets(str2);
    while (str1[i] != '\0')
    {
        str3[k] = str1[i];
        i++;
        k++;
    }
    while (str2[j] != '\0')
    {
        str3[k] = str2[j];
        j++;
        k++;
    }
    str3[k] = '\0';
}

```

```
printf("\n The concatenated string is\n");  
puts(str3);  
k = 0;  
while (str3[k] != '\0')  
    k++;  
len = k;  
printf("The length of concatenated  
string is %.d", len);  
getch();  
}
```

```
3. #include <stdio.h>  
#include <conio.h>  
void main()  
{  
    char str[25], rev_str[25] = {'\0'};  
    int i, len = 0, flag = 0;  
    clrscr();  
    printf("Enter the string\n");  
    gets(str);  
    for (i = 0; str[i] != '\0'; i++)  
    {  
        len++;  
    }  
}
```



```
print f("The length of the string  
is %d", len);
```

```
for (i = len - 1; i >= 0; i--)
```

```
{  
    rev_str[len - i - 1] = str[i];  
}
```

```
print f("The reversed string is \n");  
puts (rev_str);
```

```
for (flag = 1, i = 0; i < len; i++)  
{
```

```
    if (rev_str[i] != str[i])
```

```
        flag = 0;
```

```
}
```

```
if (flag == 1)
```

```
    print f("It is a palindrome \n");
```

```
else
```

```
    print f("It is not a palindrome \n");
```

```
    getch();
```

```
}
```