

11/7/21

- 1) Program to concatenate two strings and find the length of resultant string without using built in function.

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

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

```
void main()
```

```
{
```

```
char s1[100], s2[100], s3[100];
```

```
int i, j, length;
```

```
i = 0, j = 0, length;
```

```
printf("Enter string 1: \n");
```

```
gets(s1);
```

```
printf("Enter string 2: \n");
```

```
gets(s2);
```

```
while (s1[i] != '\0')
```

```
{ s3[j] = s1[i];
```

```
i++;
```

```
j++; }
```

```
i = 0;
```

```
while (s2[i] != '\0')
```

```
{ s3[j] = s2[i];
```

```
i++;
```

```
j++; }
```

```
i = 0
```

```
while (s2[i] != '\0')
```

```
{ s3[j] = s2[i];
```

```
i++;
```

```
j++;
```

```
s3[j] = '\0';
```

```
i = 0, length = 0;
```

```
while (S3[i] != '\0')
```

```
length++;
```

```
i++;
```

```
}
```

```
printf("The concatenated string is: ");
```

```
put(S3);
```

```
printf("\n The length of the concatenated  
string = %d", length);
```


2) To copy one string without using built in function.

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

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

```
void main ()
```

```
{  
    char s1[100], s2[100];
```

```
    int i, l;
```

```
    i = 0;
```

```
    printf("Enter a string : \n");
```

```
    gets(s1);
```

```
    while (s1[i] != '\0')
```

```
    { s2[i] = s1[i];
```

```
      i++; }
```

```
    s2[i] = '\0';
```

```
    l = 0, i = 0;
```

```
    while (s2[i] != '\0')
```

```
    { l++;
```

```
      i++; }
```

```
    printf("The copied string is : ");
```

```
    puts(s2);
```

```
    printf("\n The length of the copied  
           string = %d", l);
```

```
}
```

3) Palindrome Program

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

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

```
void main()
```

```
{
```

```
    char s[100];
```

```
    int i, n, l = 0;
```

```
    printf("Enter the string : ");
```

```
    gets(s);
```

```
    for (i = 0, i < n/2; i++)
```

```
    {
```

```
        if (s[i] == s[n-i-1])
```

```
        { l++; }
```

```
    }
```

```
    printf("The word
```

```
    if (l == i)
```

```
    { printf("String is palindrome"); }
```

```
    else
```

```
    { printf("String is not palindrome"); }
```

```
}
```