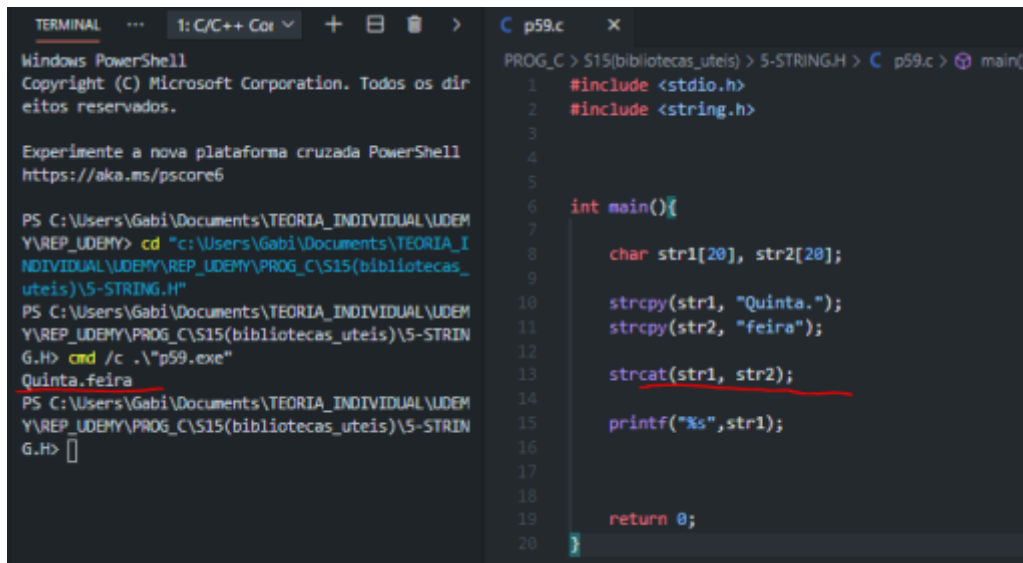


5-STRING.H

- Operações em strings

strcpy() // Realiza copia de strings.

strcat(string1, string2) // Concatena string1 com string 2.



The screenshot shows a code editor with a terminal window on the left and a C program on the right. The terminal shows the execution of the program, which concatenates "Quinta." and "feira" into "Quinta.feira".

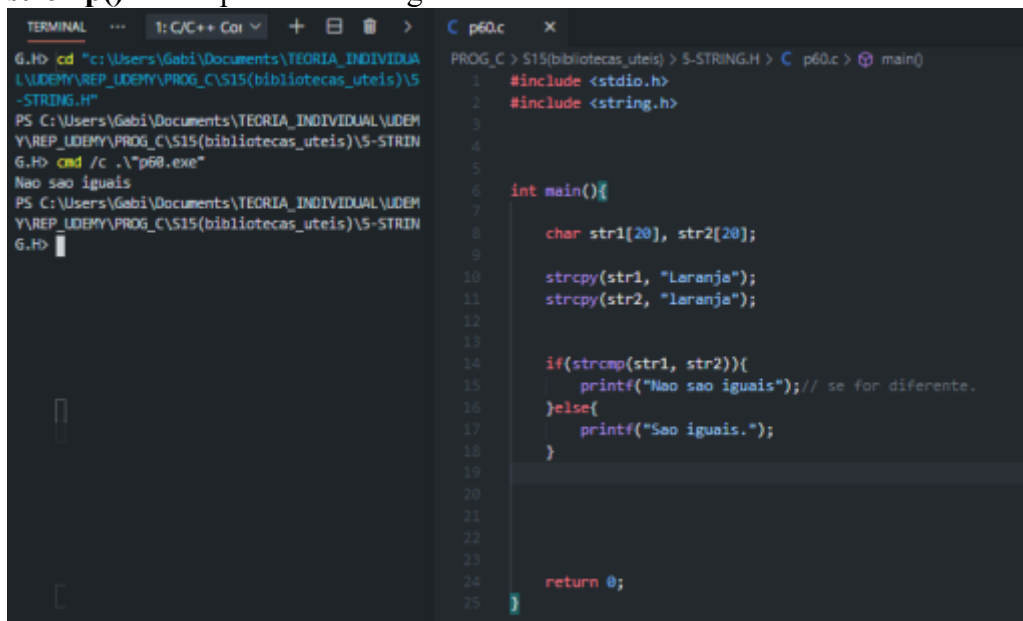
```
TERMINAL ... 1: C/C++ Cor + - > C p59.c x
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos os direitos reservados.

Experimente a nova plataforma cruzada PowerShell
https://aka.ms/pscore6

PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H> cmd /c .\p59.exe
Quinta.feira
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>
```

```
PROG_C > S15(bibliotecas_uteis) > 5-STRING.H > C p59.c > main()
1  #include <stdio.h>
2  #include <string.h>
3
4
5
6  int main(){
7
8      char str1[20], str2[20];
9
10     strcpy(str1, "Quinta.");
11     strcpy(str2, "feira");
12
13     strcat(str1, str2);
14
15     printf("%s", str1);
16
17
18
19     return 0;
20 }
```

strcmp() // Compara duas strings.



The screenshot shows a code editor with a terminal window on the left and a C program on the right. The terminal shows the execution of the program, which compares "Laranja" and "laranja" and outputs "Nao sao iguais".

```
TERMINAL ... 1: C/C++ Cor + - > C p60.c x
G.H> cd "c:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H"
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H> cmd /c .\p60.exe
Nao sao iguais
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>
```

```
PROG_C > S15(bibliotecas_uteis) > 5-STRING.H > C p60.c > main()
1  #include <stdio.h>
2  #include <string.h>
3
4
5
6  int main(){
7
8      char str1[20], str2[20];
9
10     strcpy(str1, "Laranja");
11     strcpy(str2, "laranja");
12
13
14     if(strcmp(str1, str2)){
15         printf("Nao sao iguais");// se for diferente.
16     }else{
17         printf("Sao iguais.");
18     }
19
20
21
22
23
24     return 0;
25 }
```

-----BUSCA-----

strchr() // Localiza a primeira ocorrencia de caractere em uma string.

```
TERMINAL ... 1: C/C++ Cor > + 日 0 > C p61.c x
G.H> cd "c:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H"
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>
G.H> cmd /c .\"p61.exe"
A partir do @ esta @gmail.com
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>

PROG_C > S15(bibliotecas_uteis) > 5-STRING.H > C p61.c > main()
1 #include <stdio.h>
2 #include <string.h>
3
4
5
6 int main(){
7
8     char str1[] = "pedro@gmail.com";
9     char car = '@';
10
11     char *ret = strchr(str1, car);
12
13     printf("A partir do %c esta %s", car, ret);
14
15
16
17
18     return 0;
19
20 }
```

strtok() // Divide uma string em sub-string com base em um caractere.

```
TERMINAL ... 1: C/C++ Cor > + 日 0 > C p62.c x
G.H> cd "c:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H"
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>
G.H> cmd /c .\"p62.exe"
Usuario : pedro
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>

PROG_C > S15(bibliotecas_uteis) > 5-STRING.H > C p62.c > main()
1 #include <stdio.h>
2 #include <string.h>
3
4
5
6 int main(){
7     printf("\n");
8
9     char str1[] = "pedro@gmail.com";
10
11     printf("Usuario : %s", strtok(str1, "@"));
12
13
14
15
16
17
18     printf("\n");
19     printf("\n");
20     return 0;
21 }
```

strlen() // Retorna o tamanho da string.

```
TERMINAL ... 1: C/C++ Cor > + 日 0 > C p63.c x
ING.H> cd "c:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H"
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>
ING.H> cmd /c .\"p63.exe"
Tamanho da string: 15
PS C:\Users\Gabi\Documents\TEORIA_INDIVIDUAL\UDEMY\REP_UDEMY\PROG_C\S15(bibliotecas_uteis)\5-STRING.H>

PROG_C > S15(bibliotecas_uteis) > 5-STRING.H > C p63.c > main()
1 #include <stdio.h>
2 #include <string.h>
3
4
5
6 int main(){
7     printf("\n");
8
9     char str1[] = "pedro@gmail.com";
10
11     printf("Tamanho da string: %d",strlen(str1));
12
13
14
15     printf("\n");
16     printf("\n");
17     return 0;
18 }
```