

Fundamentos de Programação 1

Linguagem C “Ponteiro para Função”.

Slides 17

Prof. SIMÃO

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```

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

void compare (char a[], char b[], int (*cmp) ( const char [], const char [] ) );

int main()
{
    char s1 [ 80 ], s2 [ 80 ];

    int ( * p ) ( );

    p = strcmp;

    printf ( "Programa de comparação de frases (strings). \n \n" );

    printf ( " Digite a primeira string: \n" );
    gets ( s1 );

    printf ( "Digite a segunda string: \n" );
    gets ( s2 );

    printf ( "\n" );

    compare ( s1, s2, p );

    system ( "Pause" );
    return 0;
}

```

```

void compare ( char a[], char b[], int (*cmp) ( const char [], const char [] ) )
{
    printf ( " Testando igualdade de duas strings: \n\n " );

    int result = ( *cmp ) ( a, b );

    if ( 0 == result )
    {
        printf ( " Elas são iguais \n." );
    }
    else
    {
        printf ( " Elas são diferentes \n." );
    }
}

```

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

void compare ( char *a, char *b, int ( *cmp ) ( const char *, const char * ) );

int main()
{
    char s1[80], s2[80];

    int ( *p ) ();

    p = strcmp;

    printf ( "Programa de comparação de frases (strings). \n \n" );

    printf ( "Digite a primeira string: \n" );
    gets ( s1 );

    printf ( "Digite a segunda string: \n" );
    gets ( s2 );

    printf ( "\n" );

    compare ( s1, s2, p );

    system ( "Pause" );
    return 0;
}
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void compare ( char *a, char *b, int (*cmp) ( const char *, const char * ) )
{
    printf ( "Testando igualdade de duas strings: \n\n" );

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