

Description

The C library function **int strcmp(const char *str1, const char *str2)** compares the string pointed to by **str1** to the string pointed to by **str2**.

Declaration

Following is the declaration for strcmp() function.

```
int strcmp(const char *str1, const char *str2)
```

Parameters

str1 -- This is the first string to be compared.

str2 -- This is the second string to be compared.

Return Value

This function returned values are as follows:

if Return value if < 0 then it indicates str1 is less than str2

if Return value if > 0 then it indicates str2 is less than str1

if Return value if = 0 then it indicates str1 is equal to str2

Example

The following example shows the usage of strcmp() function.

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

int main ()
{
    char str1[15];
    char str2[15];
    int ret;

    strcpy(str1, "abcdef");
    strcpy(str2, "ABCDEF");

    ret = strcmp(str1, str2);

    if(ret < 0)
    {
        printf("str1 is less than str2");
    }
}
```

```
}  
else if(ret > 0)  
{  
    printf("str2 is less than str1");  
}  
else  
{  
    printf("str1 is equal to str2");  
}  
  
return(0);  
}
```