| S.No: 30 | Exp. Name: *Write a C program to check whether two given strings are Equal or not without using string library functions* | Date:2023-01-16 |
|---|---|---|

## Aim:

Write a program to check whether the given two strings are `equal` or not without using string library functions.

At the time of execution, the program should print the message on the console as:

```
string1 :
```

For example, if the user gives the **input** as:

```
string1 : Kaveri
```

Next, the program should print the message on the console as:

```
string2 :
```

For example, if the user gives the **input** as:

```
string2 : Kaveri
```

then the program should **print** the result as:

```
equal
```

In the same way if the input is given as "**Kaveri**" and "**kaveri**", then the result will be "**not equal**".

**Note:** Do use the **printf()** function with a **newline** character ( `\n` ) at the end.

## Source Code:

Program606.c

```c
#include<stdio.h>
#include<string.h>
int main()
{
    char str1[100],str2[100];
    int result=0,i;
    printf("string1 : ");
    scanf("%s",str1);
    printf("string2 : ");
    scanf("%s",str2);
    while(str1[i]!='\0' && str2[i]!='\0')
    {
        if(str1[i]!=str2[i])
        {
            result=1;
            break;
        }
        i++;
    }
    if(result==0)
```

```
    printf("not equal\n");
    return 0;
}
```

## Execution Results - All test cases have succeeded!

| Test Case - 1 |
|---|
| User Output |
| string1 : Kaveri |
| string2 : Kaveri |
| equal |

| Test Case - 2 |
|---|
| User Output |
| string1 : ganga |
| string2 : gangga |
| not equal |