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Algorithm:-

1) Start

2) input string1[50], string2[50], str1, str2, inti, equal=0

3) input first, second string.

4) str1 = string1;
   str2 = string2;

5) while (*str- = *str2

6) if (*str1 = '\0' || *str2 =- '\0')
   break;

7) str1++;

8 str2++;

8) if (*str1 == '\0' && *str2 == '\0')
   output strings are not equal
   else.

   Output strings are not equal.

9) stop.

Flowchart

```
            ( Start )
               |
               v
  / input string1 [50], string2 /
 / [50], *str1, *str2, int i, equal=0 /
               |
               v
  / input first, second string /
               |
               v
  +---------------------------+
  |   str1 = string1          |
  |   str2 = string2          |
  +---------------------------+
               |
               v
           < while
           (*str1 == *str2) >
               |
               v
           < if
           (*str1 == '\0' ||
            *str2 == '\0') >
               |
               v
  +---------------------------+
  |          Break            |
  +---------------------------+
               |
               v
  +---------------------------+
  |        str1 ++            |
  |        str2 ++            |
  +---------------------------+
               |
               v
      True  <  if          >  false
      <----  *str1 == '\0'   ---->
      |      && *str2          |
      v      == '\0'           v
  +----------+          +----------+
  | strings  |          | strings  |
  | are      |          | are      |
  | equal    |          | not equal|
  +----------+          +----------+
       |                     |
       +----------+----------+
                  |
                  v
              ( STOP )
```