C. Program to implement string compare without builtin function

Algorithm:-

① Start
② Enter two strings
③ i=0
  while(str1[i] == str2[i] && str1[i]! = '\0')
  i++
  if(str1[i] > str2[i])
  str1 > str2
  else if(str1[i] < str2[i])
  str2 > str1
  else
  str1 == str2
④ Stop

Flowchart'e

```
                          ( Start )
                              |
                              v
              +-------------------------------+
              |      Enter two strings        |
              +-------------------------------+
                              |
                              v
                        +-----------+
                        |   i = 0   |
                        +-----------+
                              |
                              v
                          /  while  \
              False      / (str[i] == str2[i] \
          <-------------<   && str1[i] != '\0'  >
          |              \                    /
          |               \   /    \   /
          |                 \ /      \ /
          |                  |  True
          |                  v
          |              +-------+
          |              |  i++  |
          |              +-------+
          |
          v
      /    if    \
     / (str1[i] >  \        F
    <   str2[i])    >------------------+
     \             /                   |
      \           /                    v
          | T                    /  else if  \
          v                     / (str1[i] <  \      F
   +--------------+            <   str2[i])    >--------------+
   | str1 > str2  |             \             /               |
   +--------------+              \           /                v
                                     | T              +-------------+
                                     v                | str1 = str2 |
                              +-------------+          +-------------+
                              | str2 > str1 |                 |
                              +-------------+                 v
                                                          ( Stop )
```