1. Program to copy one string to another
   string and find its length without using
   built in function:

```c
# include <stdio.h>
int main ()
{
    char    str1[50], str2[50], str3[50];
    int    i = 0, length;
    printf ("Enter a string:\n");
    gets (str1);
    while (str1[i] != '\0')
    {
        str2[i] = str1[i];
        i++;
    }
    str2[i] = '\0';
    printf ("The copy is : ");
    puts (str2);
    i = 0;
    while (str2[i] != '\0')
    {
        i++;
    }
    length = i;
    printf ("Length of the string = %d", length);
    return 0;
}
```