Lab 7 Homework

Write a main program to test function mergeWords given below.
You must test it for the following cases:

(1) oS being an empty string (e.g. "")
(2) oS having a single word (e.g. "hello")
(3) oS having 2 words and (e.g. "hello friends")
(4) oS having multiple words (e.g. "hello friends how are you")

For each test case, you must print the expected output and the actual output.

_____

```
/****************
You are given a function called mergeWords that takes 2 string parameters. The first
parameter (oS) is a sentence, given as input to the function. The second parameter
(mS) must be an empty string (""). The function merges all words in oS together and
stores the result in mS (so that mS now has the same content as oS minus the spaces).
Signature of mergeWords: (char [SIZE], char [SIZE]) -> void
Example:
char aString [SIZE] = "I can program now";
char mString [SIZE] = "",
Call to mergeWords(aString, mString) modifies mString so that it now stores
"Icanprogramnow".
/**************

void mergeWords(char oS[SIZE], char mS[SIZE])
{
    int i, j;

    i = 0;
    j = 0;
    while (i<strlen(oS))
    {

      if (oS[i] != ' ')
      {
         mS[j] = oS[i];
         j++;
         i++;
      }
      else
      {
         i++;
      }

    }
    mS[j] = '\0';
}
```