countWords

Write a function that accepts a string *s* as its parameter. The string contains a sequence of words separated by spaces. The function then displays the number of words in the string. The function prototype is given as follows:

```
int countWords(char *s);
```

A sample program template is given below to test the function:

```c
#include <stdio.h>
#include <string.h>
int countWords(char *s);
int main()
{
  char str[80], *p;

  printf("Enter the string: \n");
  fgets(str, 80, stdin);
  if (p=strchr(str,'\n')) *p = '\0';
  printf("countWords(): %d", countWords(str));
  return 0;
}
int countWords(char *s)
{
  /* Write your code here */
}
```

A sample input and output session is given below:

(1) Test Case 1:
   Enter the string:
   How are you?
   countWords(): 3

(2) Test Case 2:
   Enter the string:
   There are 12 dollars.
   countWords(): 4

(3) Test Case 3:
   Enter the string:
   Oneword
   countWords(): 1

```c
int countWords(char *s)
{
  int count = 0;
  int i;
  int words = 0;

  for(i=0;s[i]!='\0';i++)
  {
    if(s[i]==' ')
    {
      count++;
    }
  }
  words = 1+count;
  return words;
}
```