

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:

```
#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