

Write the following functions using apstrings.

1. Write a function named `countWord` that receives an `istream` parameter named `myStream` that is passed by reference as well as an `apstring` named `myWord` that is passed by constant reference. The function returns the number of occurrences of `myWord` in the stream pointed to by `myStream`. You can assume that every word is surrounded by blank spaces and that there are no punctuation symbols (e.g. periods, commas, etc.) in `myStream`. For example, if `myStream` points to the following file:

```
Four score and seven years ago
there was a group of AP students at the Wyo high school
The students all earned fives on the AP exam that year Mr
Minich was very proud of the students
```

then the function call `countWord(myStream, myWord)` would return 3 if `myWord = "the"` .

2. Write a function named `countAllWords` that receives an `istream` parameter named `myStream` that is passed by constant reference. The function should return the number of words (i.e. groups of characters separated by blank spaces or new line characters). For example, if `myStream` points to the following file:

```
Four score and seven years ago
there was a group of AP students at the Wyo high school.
The students all earned fives on the AP exam that year.
Mr. Minich was very proud of the students.
```

then the function call `countAllWords(myStream)` would return 37 .