

Project 3 Test Data

There were 75 test cases, each worth one point. The first 27 test cases represent input to the program. The first line is the subject line. The following lines (usually just one) up to and including the empty line form the input for the message body. After that comes the (usually "n") response to the prompt for another e-mail.

```
==== Test case 01 ====
```

```
hello
```

```
howdy
```

```
n
```

```
==== Test case 02 ====
```

```
howdy
```

```
n
```

```
==== Test case 03 ====
```

```
hello
```

```
n
```

```
==== Test case 04 ====
```

```
AB BC CD DE EF FG GH HI ij
```

```
howdy
```

```
n
```

```
==== Test case 05 ====
```

```
AB BC CD DE EF FG GH HI IJ jk
```

```
howdy
```

```
n
```

```
==== Test case 06 ====
```

```
AB BC CD DE EF FG GH HI IJ JK kl
```

```
howdy
```

```
n
```

```
==== Test case 07 ====
```

```
AA-BB-CC-DD-EE-FF-GG-HH-II-JJ kk
```

```
howdy
```

```
n
```

```
==== Test case 08 ====
```

```
@@@
```

```
howdy
```

```
n
```

```
==== Test case 09 ====
```

```
the last words
```

```
howdy
```

```
n
```

```
==== Test case 10 ====
```

```
the last wordsx
```

```
howdy
```

```
n
==== Test case 11 ====
wordSX
howdy
```

```
n
==== Test case 12 ====
blanksatend wordsx
howdy
```

```
n
==== Test case 13 ====
xqjkmn okword
howdy
```

```
n
==== Test case 14 ====
!!!
howdy
```

```
n
==== Test case 15 ====
wow!!!this is cool
howdy
```

```
n
==== Test case 16 ====
wow!! this is cool!! !! !!
howdy
```

```
n
==== Test case 17 ====
hello
multiline body
should be ok
and not cause a crash
```

```
n
==== Test case 18 ====
hello
AB BC CD de ef fg gh
```

```
n
==== Test case 19 ====
hello
AB BC CD de ef fg
```

```
n
==== Test case 20 ====
hello
AB BC CD de ef
```

```
n
==== Test case 21 ====
hello
DIPLOMA DIPLOMA  x x x x x x x
```

```
n
==== Test case 22 ====
hello
diploma
```

Q
Y
Y
helloagain
howdyagain

n

The next 48 test cases test the seven individual functions you were required to write. Each test case is represented by an assertion that must be true for you to pass that test.

```
/* Test case 28 */ assert(getFirstWord("") == "");  
/* Test case 29 */ assert(getFirstWord(" ") == "");  
/* Test case 30 */ assert(getFirstWord("@!-$%") == "");  
/* Test case 31 */ assert(getFirstWord("Hello") == "Hello");  
/* Test case 32 */ assert(getFirstWord("--Hello--") == "Hello");  
/* Test case 33 */ assert(getFirstWord(" Hello") == "Hello");  
/* Test case 34 */ assert(getFirstWord("Hello ") == "Hello");  
/* Test case 35 */ assert(getFirstWord("Hello there ") == "Hello");  
/* Test case 36 */ assert(getLastWord("") == "");  
/* Test case 37 */ assert(getLastWord(" ") == "");  
/* Test case 38 */ assert(getLastWord("@!-$%") == "");  
/* Test case 39 */ assert(getLastWord("Hello") == "Hello");  
/* Test case 40 */ assert(getLastWord("--Hello--") == "Hello");  
/* Test case 41 */ assert(getLastWord(" Hello") == "Hello");  
/* Test case 42 */ assert(getLastWord("Hello ") == "Hello");  
/* Test case 43 */ assert(getLastWord(" Hello there") == "there");  
/* Test case 44 */ string s1 = ""; assert(extractWord(s1) == "" && s1 ==  
"");  
/* Test case 45 */ string s2 = " "; assert(extractWord(s2) == "" && s2  
== "");  
/* Test case 46 */ string s3 = "@!-$%"; assert(extractWord(s3) == "" && s3  
== "");  
/* Test case 47 */ string s4 = "Hello"; assert(extractWord(s4) == "Hello" &&  
s4 == "");  
/* Test case 48 */ string s5 = "--Hello--!!"; assert(extractWord(s5) ==  
"Hello" && s5 == "--!!");  
/* Test case 49 */ string s6 = " Hello"; assert(extractWord(s6) == "Hello"  
&& s6 == "");  
/* Test case 50 */ string s7 = "Hello "; assert(extractWord(s7) == "Hello"  
&& s7 == " ");  
/* Test case 51 */ string s8 = "Hello there, everyone!";  
assert(extractWord(s8) == "Hello" && s8 == " there, everyone!");  
/* Test case 52 */ assert(isUppercase(""));  
/* Test case 53 */ assert(isUppercase("@!-$%"));  
/* Test case 54 */ assert(isUppercase("HELLO"));  
/* Test case 55 */ assert(isUppercase("HELLO THERE, EVERYONE!"));  
/* Test case 56 */ assert(! isUppercase("HELLO THERE, eVERYONE!"));  
/* Test case 57 */ assert(! isUppercase("hello"));  
/* Test case 58 */ assert(makeUppercase("") == "");  
/* Test case 59 */ assert(makeUppercase("@!-$%") == "@!-$%");  
/* Test case 60 */ assert(makeUppercase("HELLO") == "HELLO");  
/* Test case 61 */ assert(makeUppercase("Hello there, everyone!") == "HELLO  
THERE, EVERYONE!");  
/* Test case 62 */ assert(makeUppercase("hello") == "HELLO");
```

```
/* Test case 63 */ assert( ! hasMultipleExclamations(""));
/* Test case 64 */ assert( ! hasMultipleExclamations("!!"));
/* Test case 65 */ assert(hasMultipleExclamations("!!!"));
/* Test case 66 */ assert(hasMultipleExclamations("!!!!"));
/* Test case 67 */ assert( ! hasMultipleExclamations("!!x!!x!!x!!"));
/* Test case 68 */ assert( ! hasMultipleExclamations("!! !! !! !!"));
/* Test case 69 */ assert(hasMultipleExclamations("hello!!!!there"));
/* Test case 70 */ assert( ! isGibberishWord(""));
/* Test case 71 */ assert( ! isGibberishWord("axaxaxax"));
/* Test case 72 */ assert( ! isGibberishWord("xxx"));
/* Test case 73 */ assert(isGibberishWord("xxxx"));
/* Test case 74 */ assert(isGibberishWord("axXxXbcQq"));
/* Test case 75 */ assert( ! isGibberishWord("x x x x x"));
```