

# Scripting Languages: Workshop 4 Challenge

1. Using only the commands, utilities and programmatic techniques covered in Modules 1-4 (inclusive), write a script named **wordsperline.sh** that gets a count of the number of words on each line of text in an external file named **data1.txt**.

data1.txt

```
1 Data for the report was compiled in March and April 2020 by an independent research company.
2 Key survey findings from respondents were as follows:
3 94% said attack volume has increased in the last 12 months, the survey found.
4 96% said their business has suffered a security breach in the last 12 months.
5 The average organization said they experienced 2 breaches during that time, the survey found.
6 88% said attacks have become more sophisticated.
7 96% said they plan to increase cyber defence spending in the coming year.
8 OS vulnerabilities and third-party application attacks were the leading cause of breaches
9 Companies said they are using an average of 7 different security technologies.
```

output

```
$ ./wordsperline.sh
Line 1 contains 16 words
Line 2 contains 8 words
Line 3 contains 14 words
Line 4 contains 14 words
Line 5 contains 14 words
Line 6 contains 7 words
Line 7 contains 13 words
Line 8 contains 12 words
Line 9 contains 12 words
```

2. If you encounter an error, read the error message printed to the terminal carefully and attempt to resolve the issue and run the **wordsperline.sh** script again or ask your tutor for assistance