```
rob@com08:~$ java -version
openjdk version "11.0.9.1" 2020-11-04
OpenJDK Runtime Environment (build 11.0.9.1+1-Ubuntu-0ubuntu1.20.04)
OpenJDK 64-Bit Server VM (build 11.0.9.1+1-Ubuntu-0ubuntu1.20.04, mixed mode, sharing)
rob@com08:~$ scala --version
Scala code runner version 2.13.5 -- Copyright 2002-2020, LAMP/EPFL and Lightbend, Inc.
```

```
132     export SPARK_HOME=/home/rob/spark
133     export PATH=$SPARK_HOME/bin:$PATH
134     export PYSPARK_PYTHON=python3
```

```
Welcome to
      ____              __
     / __/__  ___ _____/ /__
    _\ \/ _ \/ _ `/ __/  '_/
   /__ / .__/\_,_/_/ /_/\_\   version 3.0.2
      /_/

Using Python version 3.8.5 (default, Jul 28 2020 12:59:40)
SparkSession available as 'spark'.
>>> 
```

```
rob@com08:~$ spark-submit /home/rob/workspace-python/WordCount.py /home/rob/Assignment3/test.txt 5
[('hadoop', 4), ('spark', 3), ('pig', 2), ('hive', 1), ('hbase', 1)]
```

```
rob@com08:~$ spark-submit /home/rob/workspace-python/WordCount.py /home/rob/Assignment3/peterpan.txt 30
[('the', 2331), ('', 2259), ('and', 1396), ('to', 1214), ('a', 962),
('of', 929), ('was', 898), ('he', 866), ('in', 683), ('that', 564), (
'had', 498), ('it', 473), ('they', 465), ('she', 465), ('his', 455),
('you', 403), ('but', 378), ('for', 377), ('not', 375), ('with', 361)
, ('her', 361), ('is', 350), ('on', 329), ('at', 322), ('as', 315), (
'I', 253), ('be', 249), ('have', 247), ('were', 243), ('Peter', 238)]
```