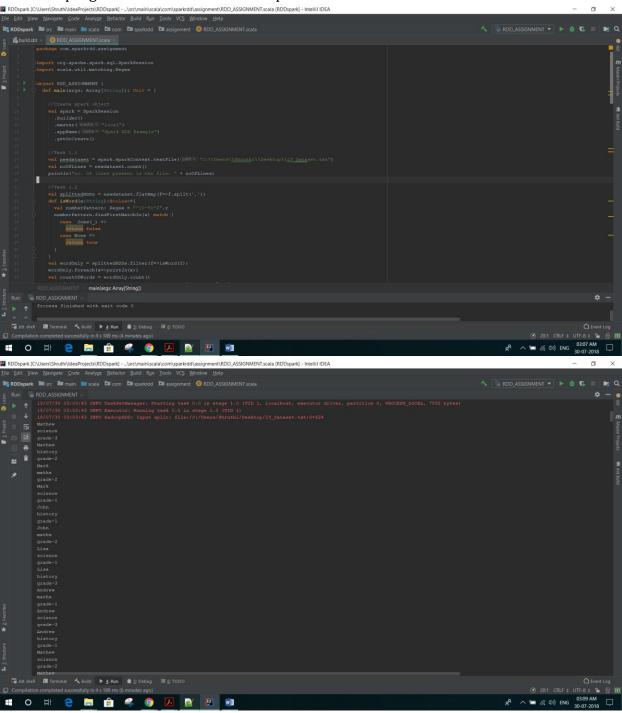
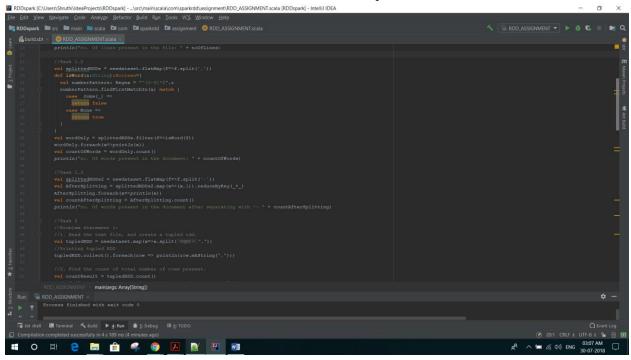
Please find the code executed & results in screenshots, Thank you..!

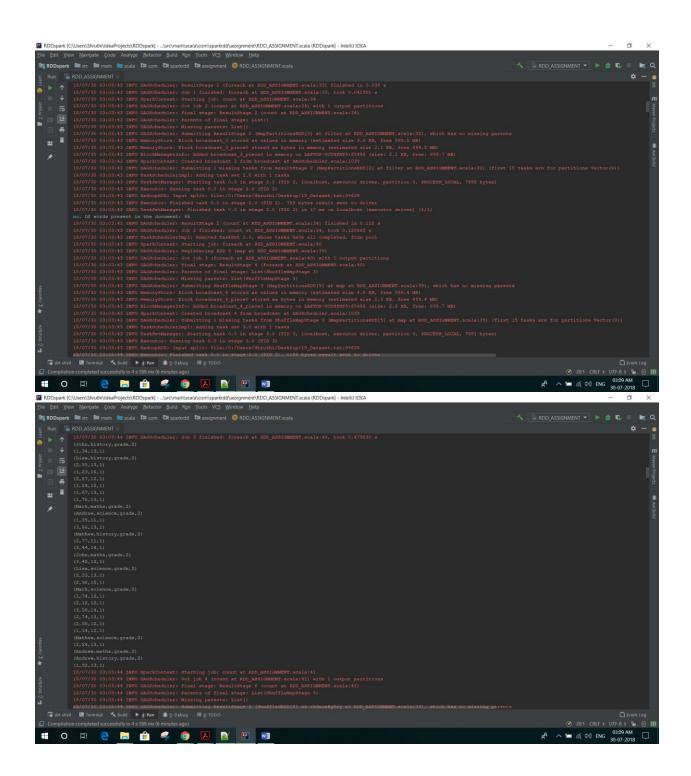
#### Task 1

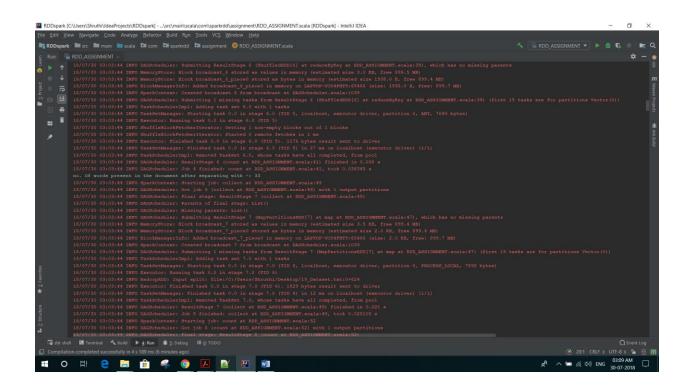
1. Write a program to read a text file and print the number of rows of data in the document.



- 2. Write a program to read a text file and print the number of words in the document.
- 3. We have a document where the word separator is -, instead of space. Write a spark code, to obtain the count of the total number of words present in the document.



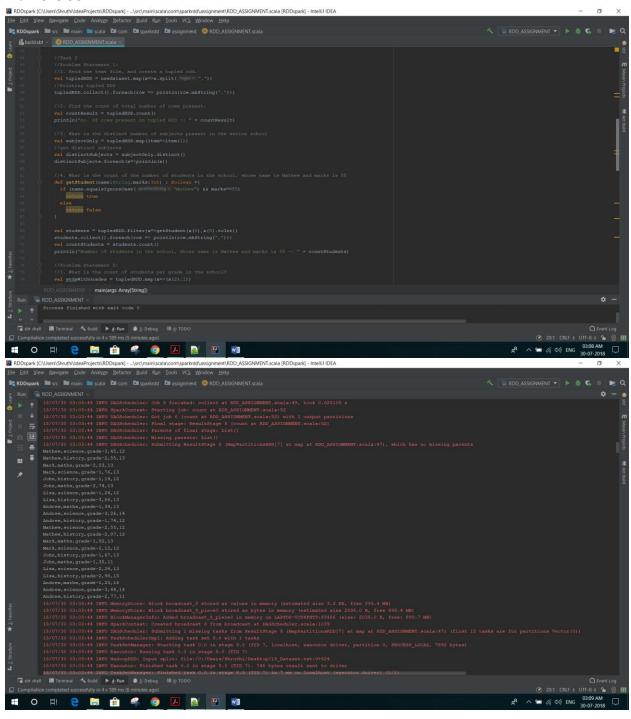


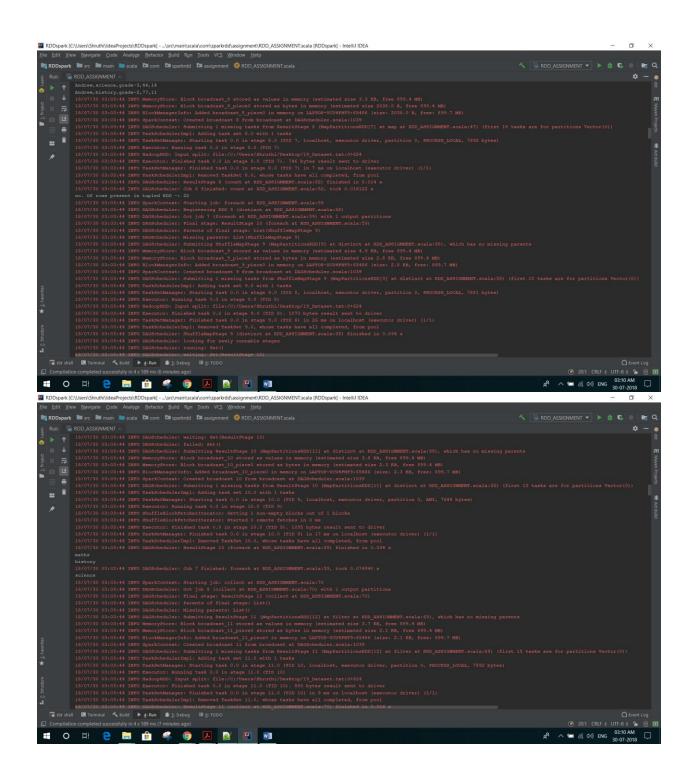


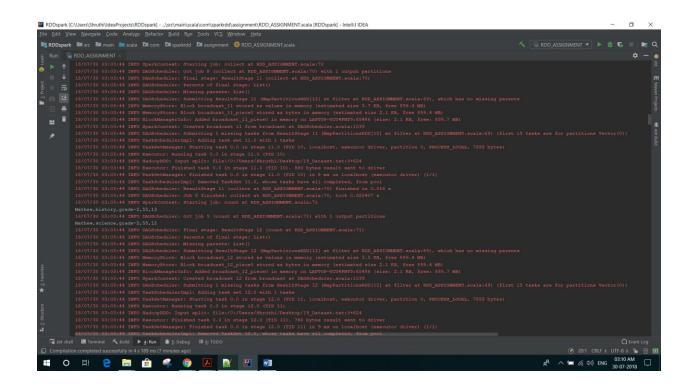
#### Task 2

#### **Problem Statement 1:**

- 1. Read the text file, and create a tupled rdd.
- 2. Find the count of total number of rows present.
- 3. What is the distinct number of subjects present in the entire school
- 4. What is the count of the number of students in the school, whose name is Mathew and marks is 55

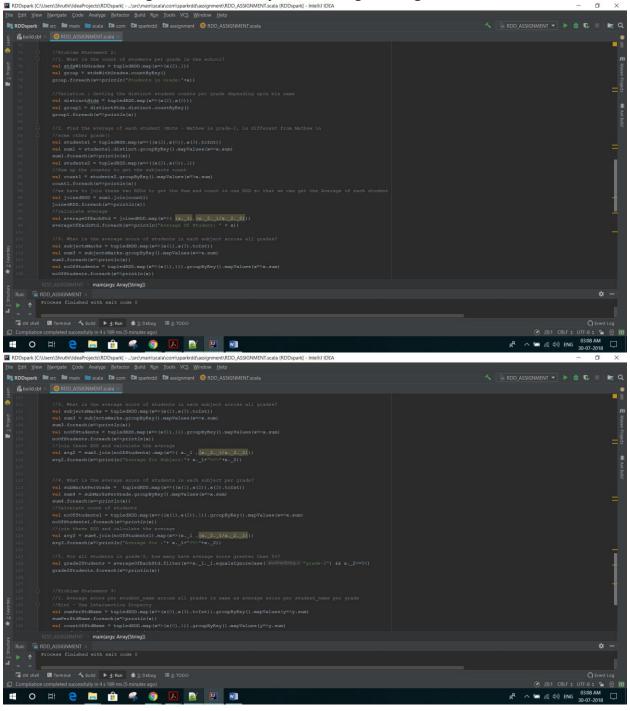


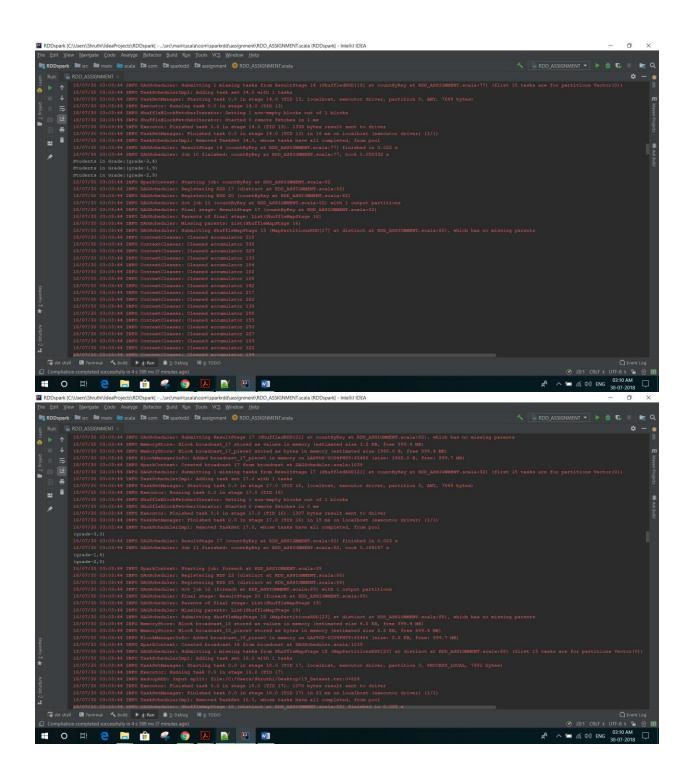


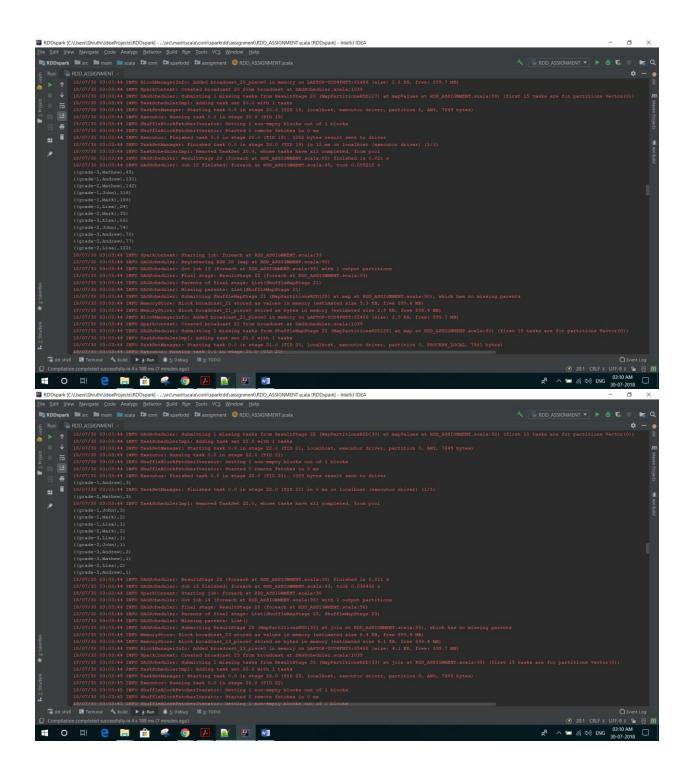


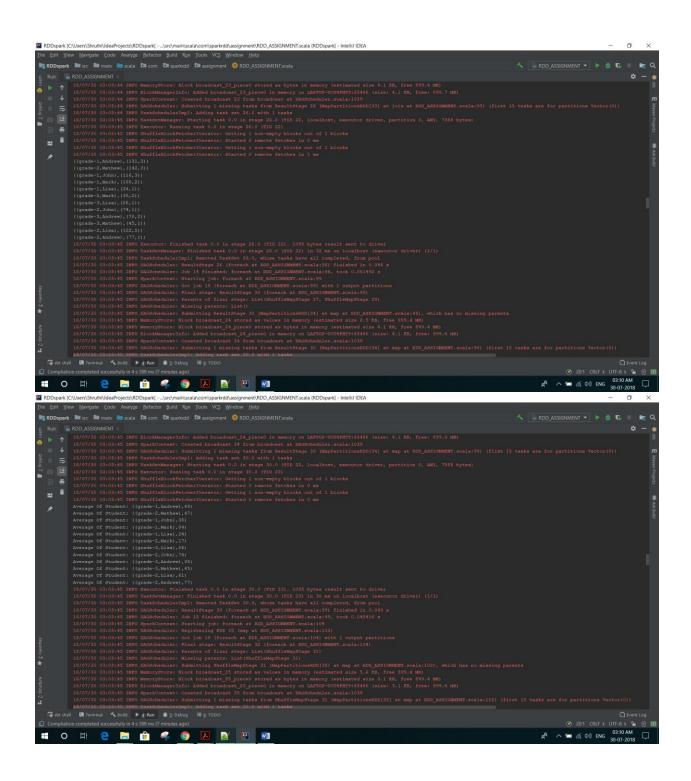
#### **Problem Statement 2:**

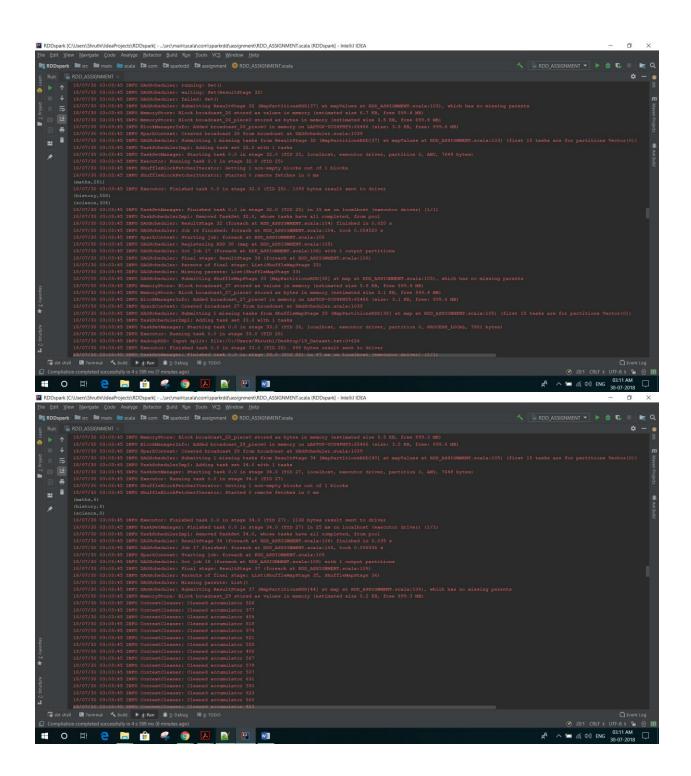
- 1. What is the count of students per grade in the school?
- 2. Find the average of each student (Note Mathew is grade-1, is different from Mathew in some other grade!)
- 3. What is the average score of students in each subject across all grades?
- 4. What is the average score of students in each subject per grade?
- 5. For all students in grade-2, how many have average score greater than 50?

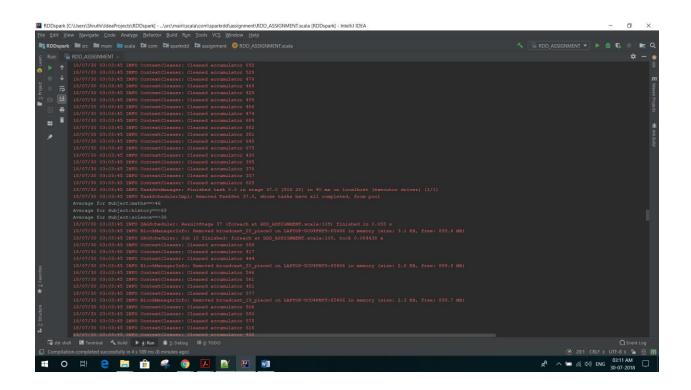












#### **Problem Statement 3:**

Are there any students in the college that satisfy the below criteria:

1. Average score per student\_name across all grades is same as average score per student\_name per grade

