**Q2.**) Given a list of integers, your task is to find the 25th, 50th and 75th percentiles of the list. For example, given a list of 10 integers [ 2, 8, 7, 4, 1, 2, 2, 4, 2, 8], their 25th percentile is 2 (at position 3), 50th percentile is (2+4)/2 = 3 (2 is at 5th position and 4 is at 6th) and 75th percentile is 7(at position 8).

Also write the algorithm/approach you will use for solving the above problem using RDDs. Extra credit will be provided for not sorting the entire list in any of your steps.

**Ans**) Here are the steps performed to solve the question:

1. Input was read into a List[Int] format
2. List[Int] was converted to a RDD and partitioned
3. RDD was first sorted and then indexed using zipWithIndex transformation in Spark
4. Then percentiles were obtained using lookup offered by scala.