

```

import org.apache.spark.sql.SparkSession
object TestDeckofcards {
  def main(args:Array[String]):Unit={
    val
    session=SparkSession.builder().appName(name="App_Demo1").config("spark.master", "local").getOrCreate()
    val sc=session.sparkContext
    val cards=sc.textFile(path="E:/Dipthi/largedeck.txt")
    println(cards.count())
    val
    blackqueens=cards.filter(line=>line.contains("Q")).filter(line=>line.contains("BLACK K")).count()
    println("BlackQueens count is"+blackqueens)
  }
}

```

The screenshot shows the IntelliJ IDEA IDE with the project 'App_Demo1' open. The file 'TestDeckofcards.scala' is open in the editor. The code is as follows:

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```

The Run console shows the following output:

```

21/06/22 21:53:27 INFO TaskSetManager: Finished task 21.0 in stage 0.0 (TID 21) in 765 ms on DESKTOP-BNVLQGS:4040
21/06/22 21:53:27 INFO TaskSchedulerImpl: Removed TaskSet 0.0, whose tasks have all completed, from pool
21/06/22 21:53:27 INFO DAGScheduler: ResultStage 0 (count at TestDeckofcards.scala:8) finished in 58.81 s
21/06/22 21:53:27 INFO DAGScheduler: Job 0 is finished. Cancelling potential speculative or zombie task
21/06/22 21:53:27 INFO TaskSchedulerImpl: Killing all running tasks in stage 0: Stage finished
21/06/22 21:53:27 INFO DAGScheduler: Job 0 finished: count at TestDeckofcards.scala:8, took 59.067691 s
21/06/22 21:53:27 INFO SparkContext: Starting job: count at TestDeckofcards.scala:9
21/06/22 21:53:27 INFO DAGScheduler: Got job 1 (count at TestDeckofcards.scala:9) with 22 output partitions
21/06/22 21:53:27 INFO DAGScheduler: Final stage: ResultStage 1 (count at TestDeckofcards.scala:9)

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}

```

The Run console shows the following output:

```

21/06/22 21:54:00 INFO DAGScheduler: Job 1 is finished. Cancelling potential speculative or zombie task
21/06/22 21:54:00 INFO TaskSchedulerImpl: Killing all running tasks in stage 1: Stage finished
21/06/22 21:54:00 INFO DAGScheduler: Job 1 finished: count at TestDeckofcards.scala:9, took 33.462678 s
21/06/22 21:54:00 INFO SparkContext: Invoking stop() from shutdown hook
21/06/22 21:54:01 INFO SparkUI: Stopped Spark web UI at http://DESKTOP-BNVLQGS:4040
21/06/22 21:54:01 INFO MapOutputTrackerMasterEndpoint: MapOutputTrackerMasterEndpoint stopped!
21/06/22 21:54:01 INFO MemoryStore: MemoryStore cleared
21/06/22 21:54:01 INFO BlockManager: BlockManager stopped
21/06/22 21:54:01 INFO BlockManagerMaster: BlockManagerMaster stopped

```