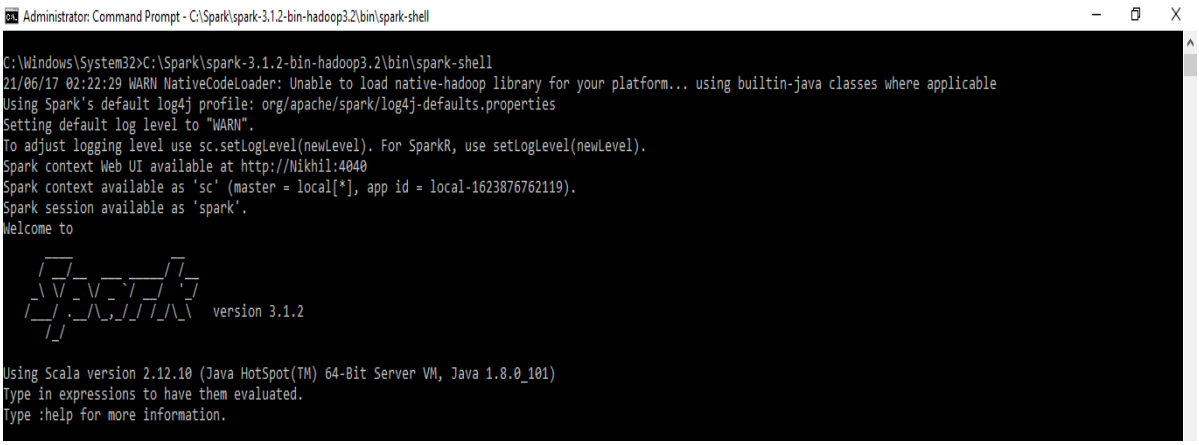
Q1. Count the no of black cards in deckofcards.txt

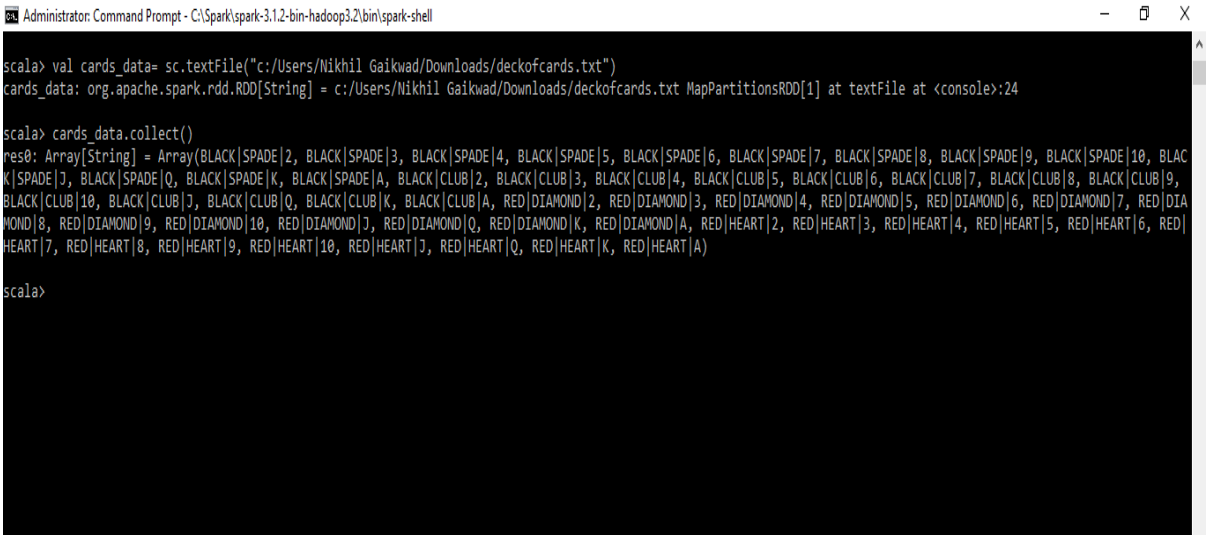
Step 1-

C:\Spark\spark-3.1.2-bin-hadoop3.2\bin\spark-shell



Step 2- Load deckofcards data in cards_data variable

```
val cards_data= sc.textFile("c:/Users/Nikhil Gaikwad/Downloads/deckofcards.txt")
```



using collect we can see the data

```
cards_data.collect()
```

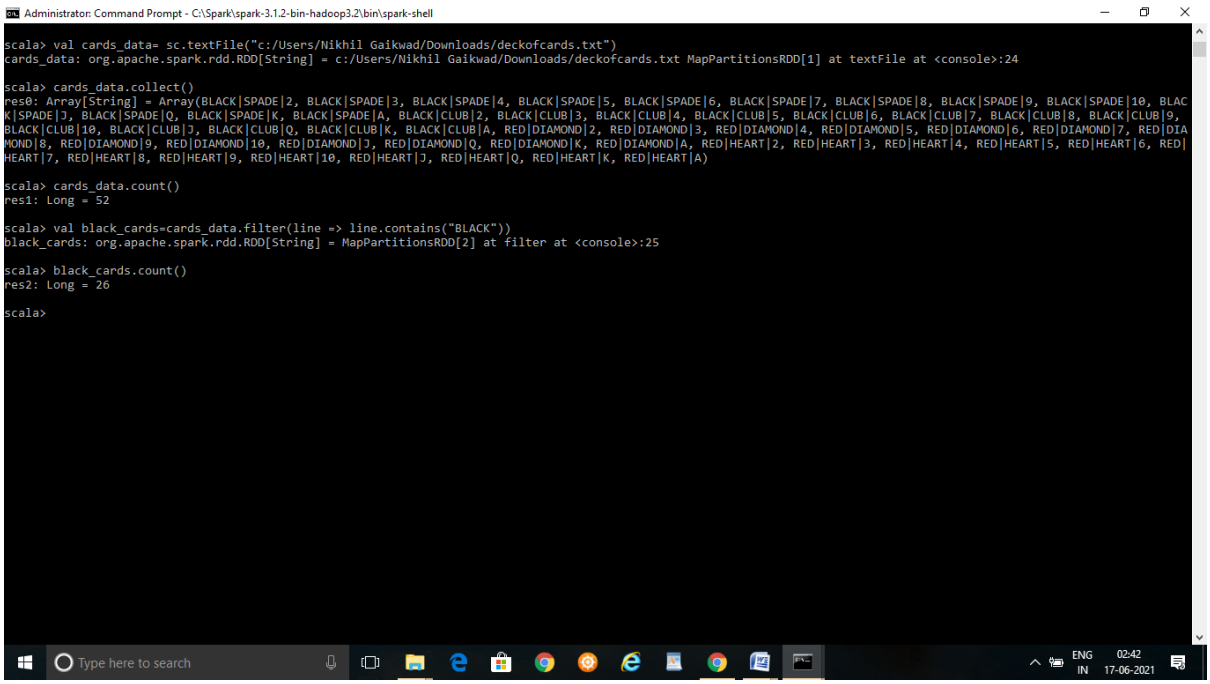
Step 3- Count number of rows

```
cards_data.count()
```

Step 4- Filter out black cards only and count those cards

```
val black_cards=cards_data.filter(line => line.contains("BLACK"))
```

```
black_cards.count()
```



Q2. Count the no of black and no queen cards in deckofcards.txt

Step 1:Filter out based on condition

val black_queen =cards_data.filter(line => line.contains("BLACK") & line.contains("Q"))

Step 2:Check data and count the records

black_queen.collect()

black_queen.count()