

Lab Assignment – 4(Group B)

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1. Scala program on command Line

```
Welcome to
┌───┴───┐
│   Scala   │ version 3.2.1
└───┴───┘

Using Scala version 2.12.15 (OpenJDK 64-Bit Server VM, Java 11.0.14.1)
Type in expressions to have them evaluated.
Type :help for more information.

scala> 3 + 5
res0: Int = 8

scala> var num = Array(1, 2, 3, 56, 78)
num: Array[Int] = Array(1, 2, 3, 56, 78)

scala> var data = sc.parallelize(num)
data: org.apache.spark.rdd.RDD[Int] = ParallelCollectionRDD[0] at parallelize at <console>:24

scala> data.foreach(println)
1stage 0:-> (0 + 1) / 1]
2
3
56
78

scala> var name : String = "Kakashi Hatake"
name: String = Kakashi Hatake

scala> println(name)
Kakashi Hatake

scala>
```

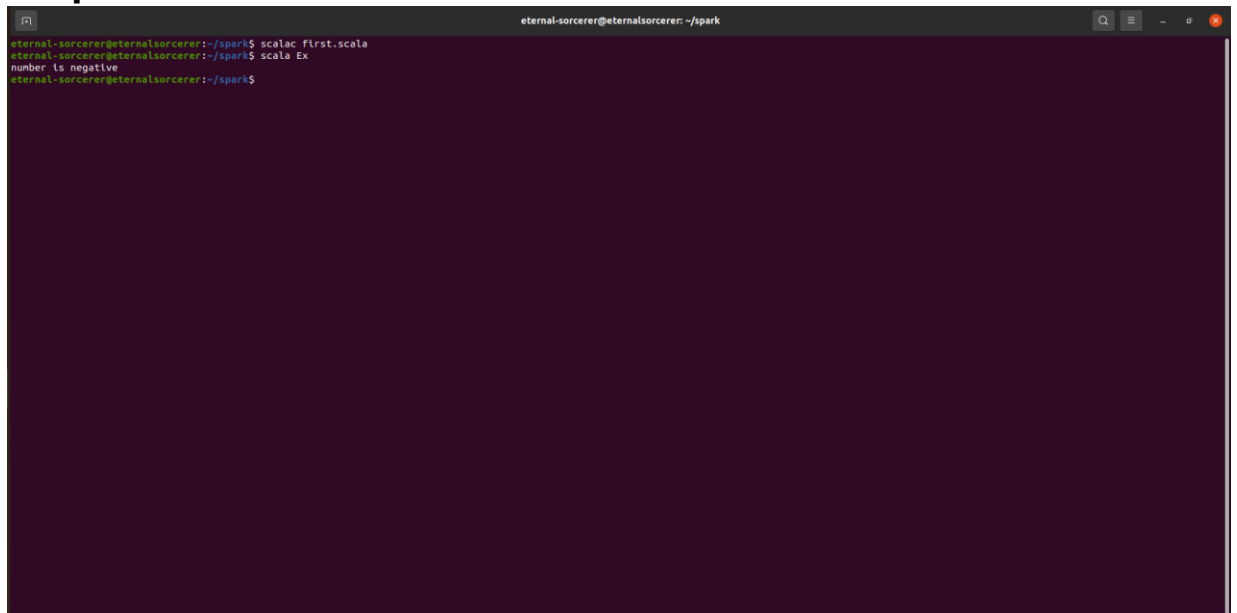
2. Scala program to check whether no. is +ve or -ve

```
Open  first.scala  Save  -  +  x
~/spark

1 object Ex{
2   def main(args: Array[String]) {
3     /**declare a variable*/
4     var number = -100;
5     if(number == 0) {
6       println("number is zero");
7     }
8     else if(number > 0) {
9       println("number is positive");
10    }
11    else {
12      println("number is negative");
13    }
14  }
15 }
```

Scala Tab Width: 8 Ln 12, Col 47 INS Right Ctrl

3. Output



```
eternal-sorcerer@eternal-sorcerer: ~/spark
eternal-sorcerer@eternal-sorcerer:~/spark$ scalac first.scala
eternal-sorcerer@eternal-sorcerer:~/spark$ scala Ex
number is negative
eternal-sorcerer@eternal-sorcerer:~/spark$
```

The image shows a terminal window with a dark background. The title bar at the top reads "eternal-sorcerer@eternal-sorcerer: ~/spark". The terminal content shows the following sequence of commands and output:

- `eternal-sorcerer@eternal-sorcerer:~/spark$ scalac first.scala`
- `eternal-sorcerer@eternal-sorcerer:~/spark$ scala Ex`
- Output: `number is negative`
- `eternal-sorcerer@eternal-sorcerer:~/spark$`