**In-Class Lab 1**

**1. What is the reason for 100X improvement in Spark?**

- Because of reducing the number of read/write cycle to disk and storing intermediate data in memory

**2. What is the reason for 10X improvement in Spark MapReduce Jobs?**

- Its execution engine is faster than Hadoop’s MapReduce implementation

**3. Using Scala, write a class of your choice (not employee) that has at least 2 attributes and 1 method. Create two instances (objects) of this class in the main. Print the attributes and call the method at least one. Provide the code (textfile) and a screenshot of your output.**

**class** Car (**var** color: *String*, **var** price: Int) {

**def** printCar() = {

println (color + " Car costs " + price)

}

}

**object** Main {

**def** main(args: Array[*String*]): Unit = {

**var** audi = **new** Car("Green", 45000)

**var** bmw = **new** Car("White", 50000)

println(audi.color + " " + audi.price)

println(bmw.color + " " + bmw.price)

audi.printCar()

bmw.printCar()

}

}

