Assignment 01 – 7200 Big-Data Scala

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Statement

This assignment will check that you have an environment in which you can write and run Scala programs and that you have grasped the essentials of case classes, regular expressions, extractors, etc.
Copy or pull MiniDatabase.scala, and minidatabase.csv.
Edit the scala file by filling out where the "???" strings are;
Then test it (as a Scala Application--not a scalatest) providing the name of the minidatabase.csv file.
All I need to see is your version of MiniDatabase.scala and the transcript from running it as an Application. You should not edit the data file.
The homework will be due at 11:00 pm Sunday.

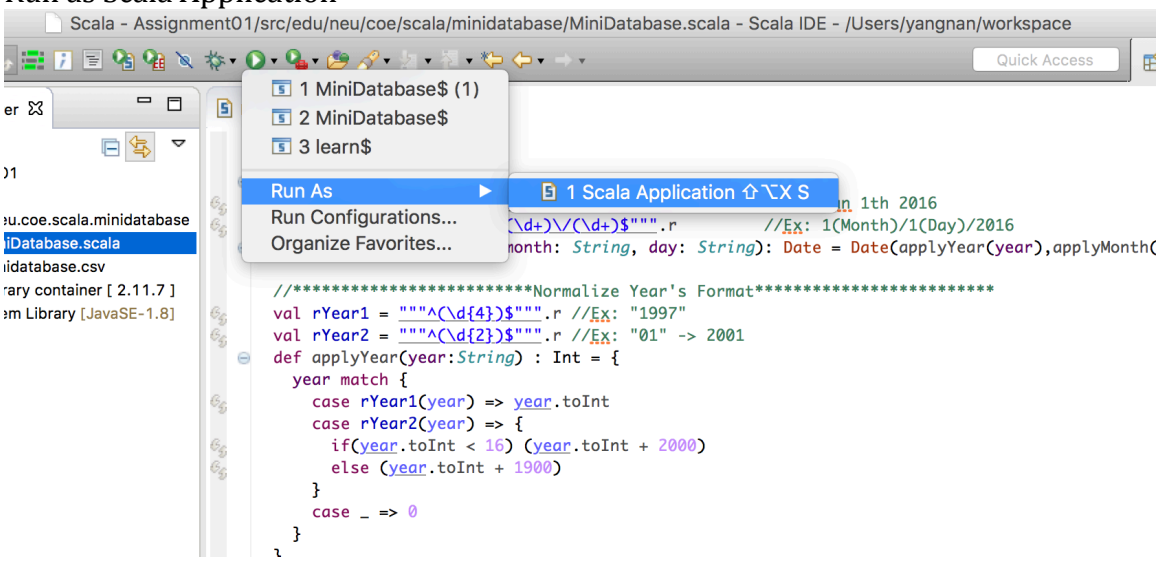
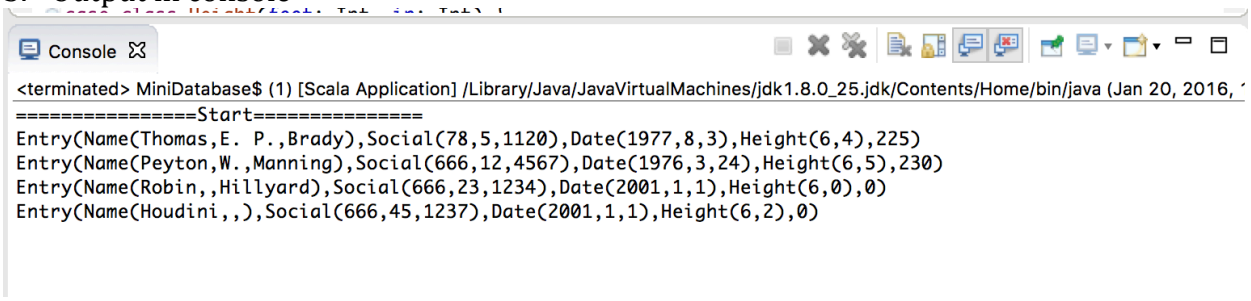
Result

1. Filling out "???" – Take Object Name as an example

```
object Name {
  val rName4 = """^\"(\w+)\s+(\w.*)\s+(\w.*)\s\"\"(\w+)\"\"\s*(\w+)\"$""".r //"Thomas E. P. ""Tom"
  val rName3 = """^(\w+)\s+(\w.*)\s+(\w+)$""".r //Ex: John J. Jinklehiemer-Smith
  val rName2 = """^(\w+)\s+(\w+)$""".r          //Ex: David Wade
  val rName1 = """^(\w+)$""".r                  //Ex: Ed
  def apply(name: String): Name = {
    name match {
      //Tom Brady's name in CSV file is not in a regular format. Is that matter?
      case rName4(first, middle1, middle2, nick, last) => Name(first, middle1 + " " + middle2, las
      case rName3(first, middle, last) => Name(first, middle, last)
      case rName2(first, last) => Name(first, "", last)
      case rName1(first) => Name(first,"","")
      case _ => Name("","","")
    }

  }
}
```

2. Run as Scala Application



3. Output in console