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Big Data System Engineering with Scala Spring 2022 Assignment No.5



My implementations

Function.scala - 13 todos:

```
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    def lift[T, R](f: T => R): Try[T] => Try[R] = _ map f //
def lift2[T1, T2, R](f: (T1, T2) => R): (Try[T1], Try[T2]) => Try[R] = map2(_, _)(f) /
 def invert2[T1, T2, R](f: T1 => T2 => R): T2 => T1 => R = T2 => T1 => f(T1)(T2) //
```

Movie.scala - 2 todos:

```
object MoviesProtocol extends DefaultJsonProtocol {
 implicit val formatFormat: RootJsonFormat[Format] = jsonFormat4(Format.apply)
 implicit val nameFormat: RootJsonFormat[Name] = jsonFormat4(Name.apply)
 implicit val ratingFormat: RootJsonFormat[Rating] = jsonFormat2(Rating.apply)
 implicit val reviewFormat: RootJsonFormat[Reviews] = jsonFormat7(Reviews.apply)
 implicit val productionFormat: RootJsonFormat[Production] = jsonFormat4(Production.apply)
 implicit val principalFormat: RootJsonFormat[Principal] = jsonFormat2(Principal.apply)
 implicit val movieJsonFormat: RootJsonFormat[Movie] = jsonFormat11(Movie.apply)
   def testSerializationAndDeserialization(ms: Seq[Movie]): Boolean = {
     // TO BE IMPLEMENTED
     import MoviesProtocol._
     for (m <- ms) {
       val json = m.toJson
       val movies = json.convertTo[Movie]
       if (!m.equals(movies)) false
     true
```

All unit test passed

```
Run: MovieSpec × 1

MovieSpec × 1
```