

Encoder

Java nesnelerinin network üzerinden iletilmesini sağlamak için ve csv,txt gibi dosyalar üzerinden sql sorgulamaları gerçekleştirmek için encoder kullanılır.

```
import org.apache.spark.sql.{Encoders, SparkSession}

case class Person(name:String, email:String, city:String,
mac:String,timestamp:String,creditCard:String, age:Int)

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

    val spark = SparkSession.builder.master("local").
      appName("SparkByExample")
      .getOrCreate()
    import spark.implicits._

    val person1 = new Person("Serkan", "serkansakinmaz@gmail.com", "IST",
"08:fd:0b:cd:77:f7", "2015-04-25 13:57:36 +0700", "1228-1221-1221-1431", 32)
    val person2 = new Person("Batu", "serkansakinmaz@gmail.com", "ANK",
"f9:0e:d3:40:cb:e9", "2015-04-25 13:16:03 +0700", "1228-1221-1221-1431", 3)

    //create a sequence
    val personSequence = Seq(person1, person2)

    //create encoder
    val personEncoder = Encoders.bean(Person.getClass)

    //create dataset
    val personDs = spark.createDataset(personSequence).as(personEncoder)
    personDs.show()

    //execute sql
    personDs.createOrReplaceTempView("person")
    spark.sql("select * from person where name='Serkan']").show()

  }
}
```