KafkaRDD类的继承结构：

**private**[spark] **class** KafkaRDD **extends** RDD **with** Logging **with** HasOffsetRanges

Coding：

stream.foreachRDD { rdd **=>**

**val** offsetRanges **=** rdd.asInstanceOf[HasOffsetRanges].offsetRanges

rdd.foreachPartition { iter **=>**

**val** o**:** OffsetRange = offsetRanges(**TaskContext**.get.partitionId)

println(s"*${*o.topic*}* *${*o.partition*}* *${*o.fromOffset*}* *${*o.untilOffset*}*")

}

}

HasOffsetRanges：

Represents any object that has a collection of OffsetRanges. This can be used to access the offset ranges in RDDs generated by the direct Kafka DStream (see KafkaUtils.createDirectStream).

HasOffsetRanges是有Kafka DStream产生的RDD的偏移范围。

**final class** OffsetRange **private**(  
 **val** topic: String,  
 **val** partition: Int,  
 **val** fromOffset: Long,  
 **val** untilOffset: Long) **extends** Serializable

OffsetRange表示一个Kafka TopicPartition的偏移范围，OffsetRange实例的创建使用OffsetRange(伴生对象).create()