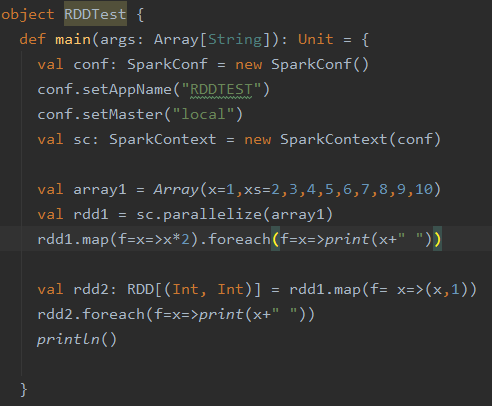
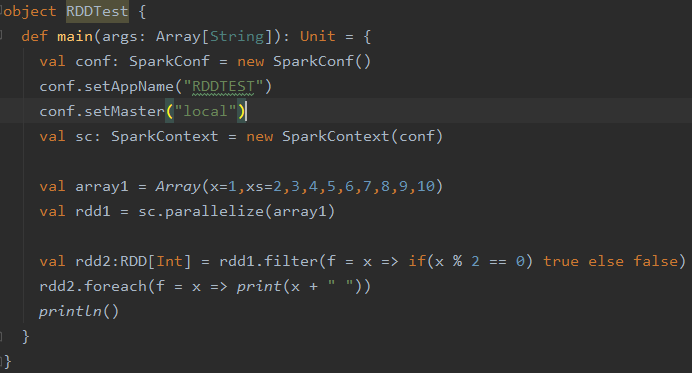


1. **map**



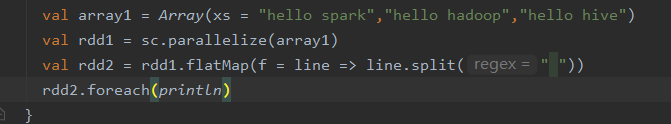
结果：

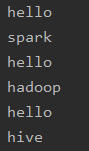


1. **filter**

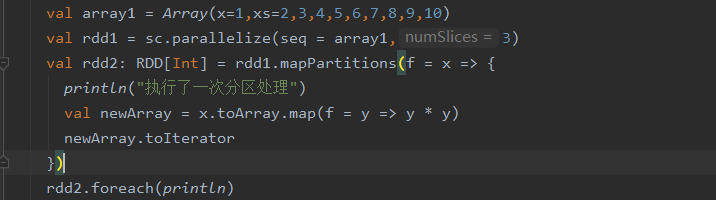
结果：

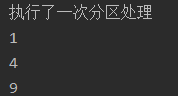
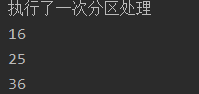
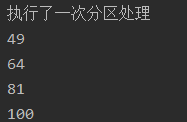
1. **flatMap**



结果：

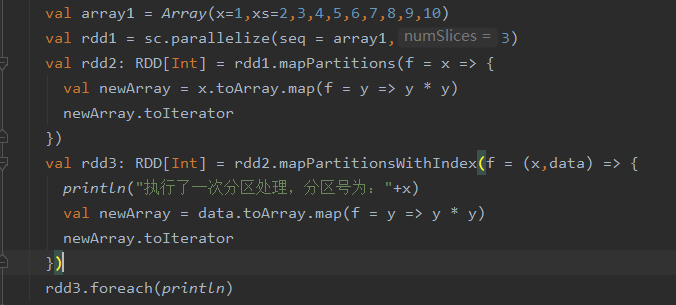
1. **mapPartitions**

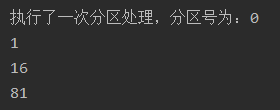
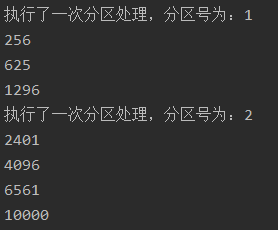


结果：  

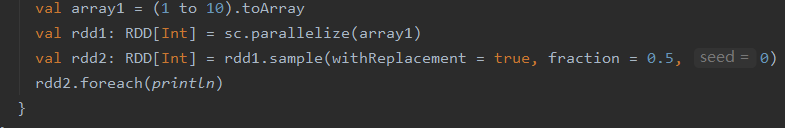
分为3个分区执行操作

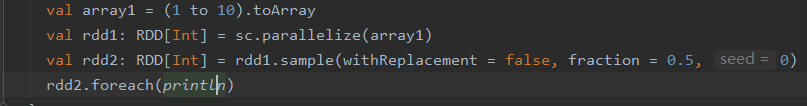
1. **mapPartitionsWithIndex**



结果： 

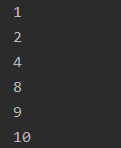
1. **sample（随机抽取，带概率）**





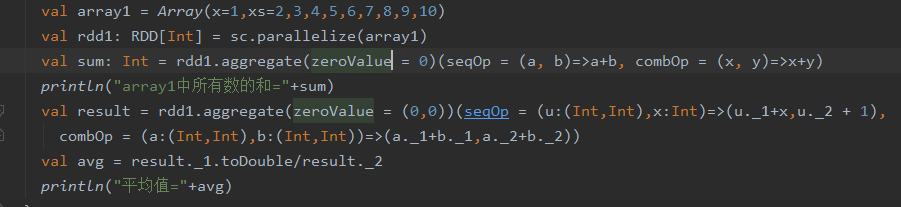
结果：

1-10随机抽取，每个数被抽到的概率为50%，可被重复抽取



1-10随机抽取，每个数被抽到的概率为50%，不可被重复抽取

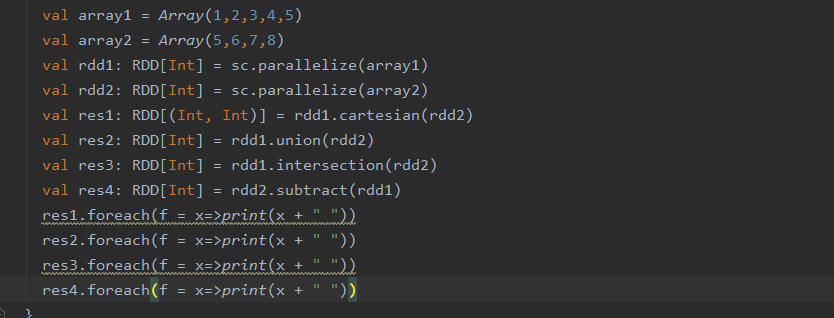
1. **aggregate**



结果：



1. **cartesian、union、intersection、subtract**



结果：

笛卡尔积：

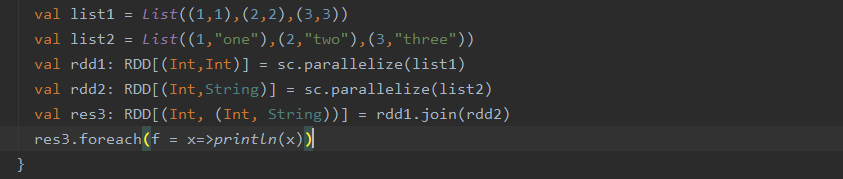


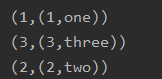
并集：

交集：

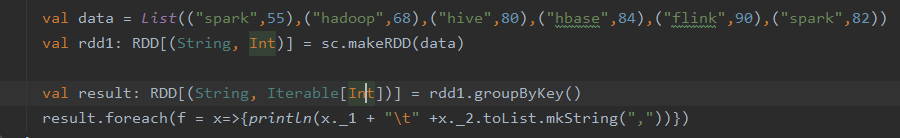
差集：

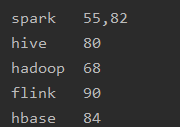
1. **join**



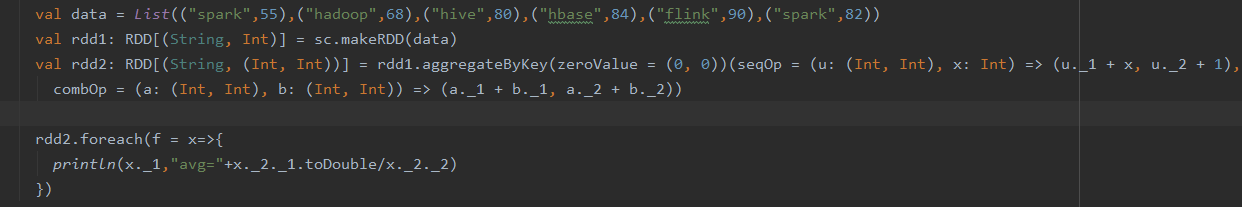
结果：

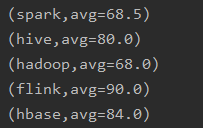
1. **groupByKey**



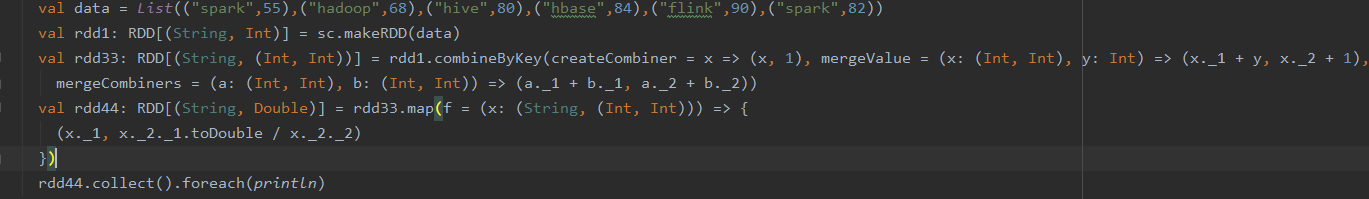
结果：

1. **aggregateByKey**



结果：

1. **combineByKey**



结果：