scalac -classpath "$SPARK\_HOME/jars/\*" solution3.scala

jar cvf app.jar solution3\*.class

$SPARK\_HOME/bin/spark-submit --master local[\*] --class solution3 app.jar

bigdata@bigdata-VirtualBox:~/Desktop/A3$ jar cvf app.jar solution3\*.class

added manifest

adding: solution3$$anonfun$1.class(in = 1013) (out= 550)(deflated 45%)

adding: solution3$$anonfun$2.class(in = 1161) (out= 606)(deflated 47%)

adding: solution3$$anonfun$3.class(in = 1013) (out= 552)(deflated 45%)

adding: solution3$$anonfun$4.class(in = 1098) (out= 594)(deflated 45%)

adding: solution3$apat6399.class(in = 3846) (out= 1560)(deflated 59%)

adding: solution3$apat6399$.class(in = 2347) (out= 953)(deflated 59%)

adding: solution3$cite7599.class(in = 2813) (out= 1272)(deflated 54%)

adding: solution3$cite7599$.class(in = 1859) (out= 846)(deflated 54%)

adding: solution3.class(in = 2859) (out= 2146)(deflated 24%)

adding: solution3$.class(in = 5239) (out= 2302)(deflated 56%)

adding: solution3$$typecreator2$1.class(in = 2741) (out= 1038)(deflated 62%)

adding: solution3$$typecreator4$1.class(in = 2741) (out= 1038)(deflated 62%)

+-------+-----+-----+-------+-------+

| patent|gyear|gdate|appyear|country|

+-------+-----+-----+-------+-------+

|3072078| 1963| 1103| | "AU"|

|3074065| 1963| 1110| | "AU"|

|3074351| 1963| 1117| | "AU"|

|3074444| 1963| 1117| | "AU"|

|3074706| 1963| 1117| | "AU"|

|3075186| 1963| 1117| | "AU"|

|3075699| 1963| 1124| | "AU"|

|3076708| 1963| 1131| | "AU"|

|3076989| 1963| 1138| | "AU"|

|3078231| 1963| 1145| | "AU"|

|3078438| 1963| 1145| | "AU"|

|3079628| 1963| 1159| | "AU"|

|3079890| 1963| 1159| | "AU"|

|3080123| 1963| 1159| | "AU"|

|3080349| 1963| 1159| | "AU"|

|3080589| 1963| 1166| | "AU"|

|3081006| 1963| 1166| | "AU"|

|3081007| 1963| 1166| | "AU"|

|3081263| 1963| 1166| | "AU"|

|3082064| 1963| 1173| | "AU"|

+-------+-----+-----+-------+-------+

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".

SLF4J: Defaulting to no-operation (NOP) logger implementation

SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further detail

**HBase**

0: jdbc:hive2://localhost:10000> show tables;

+-----------+--+

| tab\_name |

+-----------+--+

| friend |

| hello |

| hitab |

| lineitem |

| mytable |

| orders |

| partsupp |

| tab |

+-----------+--+

8 rows selected (0.072 seconds)

0: jdbc:hive2://localhost:10000> select \* from hitab;

+--------------+-------------------+--+

| hitab.cited | hitab.citedcount |

+--------------+-------------------+--+

| 4662877 | 81 |

| 5050166 | 72 |

| 5235595 | 71 |

| 4188030 | 70 |

| 3646346 | 67 |

| 4868832 | 64 |

| 4416713 | 63 |

| 4833092 | 60 |

| 4497662 | 59 |

| 4596657 | 59 |

| 4107288 | 58 |

| 4636951 | 57 |

| 3889686 | 55 |

| 4258716 | 55 |

| 3895741 | 52 |

| 3834646 | 51 |

| 4175555 | 51 |

| 4517977 | 51 |

| 3936791 | 48 |

| 4023559 | 48 |

+--------------+-------------------+--+

20 rows selected (1.918 seconds)