

RHadoop Confirmation

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```
library(rJava)
library(rhdfs)
```

```
##
## HADOOP_CMD=/home/yarn/hadoop/bin/hadoop
##
## Be sure to run hdfs.init()
```

```
hdfs.init()
library(rmr2)
```

```
## Warning: S3 methods 'gorder.default', 'gorder.factor', 'gorder.data.frame',
## 'gorder.matrix', 'gorder.raw' were declared in NAMESPACE but not found
```

```
## Please review your hadoop settings. See help(hadoop.settings)
```

```
a <- to.dfs(seq(from=1, to=500, by=3), output="/test")
b <- mapreduce(input=a, map=function(k,v){keyval(v,v*v)})
from.dfs(b())
```

```
## $key
## [1] 1 4 7 10 13 16 19 22 25 28 31 34 37 40 43 46 49
## [18] 52 55 58 61 64 67 70 73 76 79 82 85 88 91 94 97 100
## [35] 103 106 109 112 115 118 121 124 127 130 133 136 139 142 145 148 151
## [52] 154 157 160 163 166 169 172 175 178 181 184 187 190 193 196 199 202
## [69] 205 208 211 214 217 220 223 226 229 232 235 238 241 244 247 250 253
## [86] 256 259 262 265 268 271 274 277 280 283 286 289 292 295 298 301 304
## [103] 307 310 313 316 319 322 325 328 331 334 337 340 343 346 349 352 355
## [120] 358 361 364 367 370 373 376 379 382 385 388 391 394 397 400 403 406
## [137] 409 412 415 418 421 424 427 430 433 436 439 442 445 448 451 454 457
## [154] 460 463 466 469 472 475 478 481 484 487 490 493 496 499
##
## $val
## [1] 1 16 49 100 169 256 361 484 625 784
## [11] 961 1156 1369 1600 1849 2116 2401 2704 3025 3364
## [21] 3721 4096 4489 4900 5329 5776 6241 6724 7225 7744
## [31] 8281 8836 9409 10000 10609 11236 11881 12544 13225 13924
## [41] 14641 15376 16129 16900 17689 18496 19321 20164 21025 21904
## [51] 22801 23716 24649 25600 26569 27556 28561 29584 30625 31684
## [61] 32761 33856 34969 36100 37249 38416 39601 40804 42025 43264
## [71] 44521 45796 47089 48400 49729 51076 52441 53824 55225 56644
## [81] 58081 59536 61009 62500 64009 65536 67081 68644 70225 71824
## [91] 73441 75076 76729 78400 80089 81796 83521 85264 87025 88804
## [101] 90601 92416 94249 96100 97969 99856 101761 103684 105625 107584
## [111] 109561 111556 113569 115600 117649 119716 121801 123904 126025 128164
```

```
## [121] 130321 132496 134689 136900 139129 141376 143641 145924 148225 150544
## [131] 152881 155236 157609 160000 162409 164836 167281 169744 172225 174724
## [141] 177241 179776 182329 184900 187489 190096 192721 195364 198025 200704
## [151] 203401 206116 208849 211600 214369 217156 219961 222784 225625 228484
## [161] 231361 234256 237169 240100 243049 246016 249001
```