Report

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使用軟體: NetBeans IDE 8.1

作業系統: Windows 7

檔案:

- 程式碼
  - course

- 輸出結果
  - output/one
  - output/two
  - output/three

結果:

1.
  - 題目:

    Given a list of user's comments, determine the first and last time a user commented and the total number of comments from that user.

  - 指令:

    ```
    [root@cdc-course-05 ~]# hadoop jar course-1.0/lib
    /course-1.0.jar ProblemOne /mapreduce/input /mapr
    educe/output/one
    ```

  - 輸出:

    見檔案檔案

2.
  - 題目:

    Given a list of user's comments, deteramine the averge comment length per hour of days.

  - 指令:

    ```
    [root@cdc-course-05 ~]# hadoop jar course-1.0/lib
    /course-1.0.jar ProblemTwo /mapreduce/input /mapr
    educe/output/two
    ```

  - 輸出:

```
0        163.69742850276376
1        162.74052278636924
10       151.0075454749607
11       151.0053271469691
12       149.9288560485899
13       150.91331983949433
14       151.2693071272583
15       153.21139191037582
16       153.89660453597497
17       154.97960314098594
18       154.41479590144908
19       154.97286198282058
2        162.405642231246
20       157.1758534788253
21       158.86628641427095
22       161.80712938852474
23       163.2869093970325
3        160.50924766045244
4        157.62524626048886
5        154.1880938669738
6        149.98592442302814
7        150.0244525133326
8        151.9205244168911
9        149.9315546864087
```

3.

- 題目:

  Given a list of user's comments, determine the median and standard
  deviation of comment lengths per hour of days.

- 指令:

```
[root@cdc-course-05 ~]# hadoop jar course-1.0/lib
/course-1.0.jar ProblemThree /mapreduce/input /ma
preduce/output/three
```

- 輸出:

```
0       129.0 125.24701358300334
1       126.0 125.64796214933675
10      119.0 116.95142213284734
11      120.0 116.8478103390803
12      118.0 117.5743964884388
13      118.0 117.63831248538018
14      119.0 117.52180497153424
15      120.0 119.31219631994486
16      121.0 120.23015600809927
17      122.0 120.61576661096365
18      121.0 120.52668500619693
19      122.0 120.29099833576045
2       127.0 126.12287574335934
20      124.0 120.57303713930068
21      125.0 121.82487860272143
22      127.0 124.57064184174818
23      128.0 124.76261162635768
3       125.0 126.63562976438773
4       121.0 125.74892378041207
5       120.0 122.0124869578207
6       117.0 119.38342030890541
7       117.0 118.6517183494988
8       119.0 118.94074742286345
9       118.0 116.72832210751275
```