

Report

組別: 第二組

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 /mapreduce/output/one
```

- 輸出:
見檔案檔案

2.

- 題目:
Given a list of user's comments, determine the average 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 /mapreduce/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