## Execution Environment

| | |
|---|---|
| Author: | singhamit84670 |
| File: | /home/singhamit84670/PROC_SORT_FIRST_LAST_DOT.sas |
| SAS Platform: | Linux LIN X64 3.10.0-1062.4.1.el7.x86_64 |
| SAS Host: | ODAWS02-APSE1.ODA.SAS.COM |
| SAS Version: | 9.04.01M6P11072018 |
| SAS Locale: | en_GB |
| Submission Time: | 24/09/2022, 11:40:01 |
| Browser Host: | 103.61.252.13 |
| User Agent: | Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/105.0.0.0 Safari/537.36 |
| Application Server: | ODAMID00-APSE1.ODA.SAS.COM |

## Code: PROC_SORT_FIRST_LAST_DOT.sas

```sas
data a;
input id salary;
cards;
1 100
1 200
3 300
3 500
4 600
;
run;


proc sort data=a;
by id descending salary;
run;

data b;
set a;
by id descending salary;
IF first.id and first.salary then output;
run;

proc print data=b;
run;
```

## Log: PROC_SORT_FIRST_LAST_DOT.sas

Notes (10)

```
   1          OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
  68
```

```
69          data a;
70          input id salary;
71          cards;
```

```
77          ;
78          run;
79
80
81          proc sort data=a;
82          by id descending salary;
83          run;
```

```
84
85          data b;
86          set a;
87          by id descending salary;
88          IF first.id and first.salary then output;
89          run;
```

```
       memory                   1021.43k
       OS Memory                26028.00k
       Timestamp                24/09/2022 06:10:00 AM
       Step Count                          80  Switch Count  2
       Page Faults                         0
       Page Reclaims                       147
       Page Swaps                          0
       Voluntary Context Switches          9
       Involuntary Context Switches        0
       Block Input Operations              0
       Block Output Operations             264


90
91         proc print data=b;
92         run;

NOTE: There were 3 observations read from the data set WORK.B.
NOTE: PROCEDURE PRINT used (Total process time):
       real time             0.01 seconds
       user cpu time         0.01 seconds
       system cpu time       0.00 seconds
       memory                1139.12k
       OS Memory             25768.00k
       Timestamp             24/09/2022 06:10:00 AM
       Step Count                          81  Switch Count  0
       Page Faults                         0
       Page Reclaims                       78
       Page Swaps                          0
       Voluntary Context Switches          0
       Involuntary Context Switches        0
       Block Input Operations              0
       Block Output Operations             8


93
94
95         OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
105
```

## Results: PROC_SORT_FIRST_LAST_DOT.sas

| Obs | id | salary |
|-----|-----|--------|
| 1 | 1 | 200 |
| 2 | 3 | 500 |
| 3 | 4 | 600 |