Program Summary - PROC_SORT_FIRST_LAST_DOT.sas

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

data a;

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

```
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)

OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

```
input id salary;
70
71
           cards;
NOTE: The data set WORK.A has 5 observations and 2 variables.
NOTE: DATA statement used (Total process time):
      real time
                          0.00 seconds
      user cpu time
                          0.00 seconds
      system cpu time
                          0.00 seconds
      memory
                          668.15k
      OS Memory
                          25512.00k
      Timestamp
                          24/09/2022 06:10:00 AM
                                         78 Switch Count 2
      Step Count
      Page Faults
                                         0
                                         126
      Page Reclaims
      Page Swaps
                                         0
      Voluntary Context Switches
                                         10
      Involuntary Context Switches
                                         0
      Block Input Operations
                                         0
      Block Output Operations
                                         264
77
78
           run;
79
80
           proc sort data=a;
81
82
           by id descending salary;
           run;
83
NOTE: There were 5 observations read from the data set WORK.A.
NOTE: The data set WORK.A has 5 observations and 2 variables.
NOTE: PROCEDURE SORT used (Total process time):
      real time
                          0.00 seconds
      user cpu time
                          0.01 seconds
      system cpu time
                          0.00 seconds
      memory
                          939.09k
      OS Memory
                          25772.00k
                          24/09/2022 06:10:00 AM
      Timestamp
      Step Count
                                         79 Switch Count 2
      Page Faults
                                         0
      Page Reclaims
                                         119
      Page Swaps
                                         0
      Voluntary Context Switches
                                         11
      Involuntary Context Switches
                                         0
      Block Input Operations
                                         0
      Block Output Operations
                                         264
84
85
           data b;
           set a;
86
           by id descending salary;
87
           IF first.id and first.salary then output;
88
89
           run;
NOTE: There were 5 observations read from the data set WORK.A.
NOTE: The data set WORK.B has 3 observations and 2 variables.
NOTE: DATA statement used (Total process time):
                          0.00 seconds
      real time
      user cpu time
                          0.00 seconds
      system cpu time
                          0.00 seconds
```

69

data a;

```
OS Memory
                          26028.00k
      Timestamp
                          24/09/2022 06:10:00 AM
      Step Count
                                        80 Switch Count 2
      Page Faults
                                        0
                                        147
      Page Reclaims
      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
                          24/09/2022 06:10:00 AM
      Timestamp
                                        81 Switch Count 0
      Step Count
      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
```

1021.43k

memory

Results: PROC_SORT_FIRST_LAST_DOT.sas

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