

Program Summary - PROC_RANK_DENSE_RANK.sas

Execution Environment

Author: singhamit84670
File: /home/singhamit84670/PROC_RANK_DENSE_RANK.sas
SAS Platform: Linux LIN X64 3.10.0-1062.4.1.el7.x86_64
SAS Host: ODAWS02-APSE1.ODA.SAS.COM
SAS Version: 9.04.01M7P08062020
SAS Locale: en_US
Submission Time: 10/10/2023, 1:42:56 PM
Browser Host: 103.61.252.28
User Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/117.0.0.0 Safari/537.36 Edg/117.0.2045.60
Application Server: ODAMID00-APSE1.ODA.SAS.COM

Code: PROC_RANK_DENSE_RANK.sas

```
data amit;  
input id Name $3-19 @20 Salary;  
cards;  
1 Amit Kumar Singh 25  
2 Sumit Rakheja 26  
1 Amit Kumar Singh 26  
3 Makheeja Brother 22  
;  
run;
```

```
proc rank data=amit ties=dense out=dense_rank1;  
var id Salary;  
ranks dense_rank_Name_age  
run;
```

```
proc rank data=amit ties=dense out=dense_rank2;  
var id;
```

```
ranks dense_rank_id;
```

```
run;
```

```
proc print data=dense_rank1;
```

```
Title j=c "Dense Rank with Var : id,Salary";
```

```
footnote j=c "Presented by : Amit Kumar Singh, #Singhamit8467@gmail.com";
```

```
run;
```

```
proc print data=dense_rank2;
```

```
Title j=c "Dense Rank with Var : id";
```

```
footnote j=c "Presented by : Amit Kumar Singh, #Singhamit8467@gmail.com";
```

```
run;
```

Log: PROC_RANK_DENSE_RANK.sas

Notes (10)

```
1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69      data amit;
70      input id Name $3-19 @20 Salary;
71      cards;
```

NOTE: The data set WORK.AMIT has 4 observations and 3 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	790.43k
OS Memory	23716.00k
Timestamp	10/10/2023 08:12:52 AM
Step Count	426
Page Faults	0
Page Reclaims	155
Page Swaps	0
Voluntary Context Switches	12
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	264

```

76      ;
77      run;
78
79      proc rank data=amit ties=dense out=dense_rank1;
80      var id Salary;
81      ranks dense_rank_Name_age
82      run;
83

```

NOTE: The data set WORK.DENSE_RANK1 has 4 observations and 5 variables.

NOTE: PROCEDURE RANK used (Total process time):

```

real time          0.00 seconds
user cpu time      0.00 seconds
system cpu time    0.00 seconds
memory            2818.21k
OS Memory          26028.00k
Timestamp          10/10/2023 08:12:52 AM
Step Count                427  Switch Count  4
Page Faults              0
Page Reclaims           183
Page Swaps              0
Voluntary Context Switches 25
Involuntary Context Switches 0
Block Input Operations   0
Block Output Operations  528

```

```

84      proc rank data=amit ties=dense out=dense_rank2;
85      var id;
86      ranks dense_rank_id;
87      run;

```

NOTE: The data set WORK.DENSE_RANK2 has 4 observations and 4 variables.

NOTE: PROCEDURE RANK used (Total process time):

```

real time          0.00 seconds
user cpu time      0.00 seconds
system cpu time    0.00 seconds
memory            2706.09k
OS Memory          26028.00k
Timestamp          10/10/2023 08:12:52 AM
Step Count                428  Switch Count  4

```

Page Faults	0
Page Reclaims	183
Page Swaps	0
Voluntary Context Switches	21
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	528

```
88
89      proc print data=dense_rank1;
90      Title j=c "Dense Rank with Var : id,Salary";
91      footnote j=c "Presented by : Amit Kumar Singh, #Singhamit8467@gmail.com";
92      run;
```

NOTE: There were 4 observations read from the data set WORK.DENSE_RANK1.

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	1681.75k
OS Memory	24228.00k
Timestamp	10/10/2023 08:12:52 AM
Step Count	429
Switch Count	2
Page Faults	0
Page Reclaims	127
Page Swaps	0
Voluntary Context Switches	13
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	8

```
93
94      proc print data=dense_rank2;
95      Title j=c "Dense Rank with Var : id";
96      footnote j=c "Presented by : Amit Kumar Singh, #Singhamit8467@gmail.com";
97      run;
```

NOTE: There were 4 observations read from the data set WORK.DENSE_RANK2.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.00 seconds
user cpu time	0.01 seconds

```
system cpu time    0.00 seconds
memory            610.12k
OS Memory         24228.00k
Timestamp         10/10/2023 08:12:52 AM
Step Count        430   Switch Count   2
Page Faults       0
Page Reclaims     87
Page Swaps        0
Voluntary Context Switches 17
Involuntary Context Switches 0
Block Input Operations 0
Block Output Operations 8
```

```
98
99
100      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
110
```

Results: PROC_RANK_DENSE_RANK.sas

Dense Rank with Var : id,Salary

Obs	id	Name	Salary	dense_rank_Name_age	run
1	1	Amit Kumar Singh	25	1	2
2	2	Sumit Rakheja	26	2	3
3	1	Amit Kumar Singh	26	1	3
4	3	Makheeja Brother	22	3	1

Presented by : Amit Kumar Singh, #Singhamit8467@gmail.com

Dense Rank with Var : id

Obs	id	Name	Salary	dense_rank_id
1	1	Amit Kumar Singh	25	1
2	2	Sumit Rakheja	26	2
3	1	Amit Kumar Singh	26	1
4	3	Makheeja Brother	22	3

