

## Program Summary - Dup&No\_Dup.sas

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### Execution Environment

Author: singhamit84670  
File: /home/singhamit84670/Dup&No\_Dup.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, 12:37:55 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

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### Code: Dup&No\_Dup.sas

```
data amit;  
input id name $ amount;  
cards;  
1 Amit 22  
1 Amit 22  
1 Amit 23  
2 Amit 23  
;  
run;
```

```
proc sort data=amit nodup out=nodup;  
by id;  
run;
```

```
proc sort data=amit nodupkey out=nodupkey;  
by id;  
run;
```

---

```
proc print data=nodup;  
Title j=center "Nodup Output";  
Footnote j=c " Created By Amit Kumar Singh, #singhamit8467@gmail.com";  
run;
```

---

```
proc print data=nodupkey;  
Title j=center"Nodupkey Output";  
Footnote j=center" Created By Amit Kumar Singh, #singhamit8467@gmail.com";  
run;
```

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## Log: Dup&No\_Dup.sas

Notes (14)

```
1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;  
68  
69      data amit;  
70      input id name $ amount;  
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	0.01 seconds
memory	682.65k
OS Memory	22180.00k
Timestamp	10/10/2023 07:07:51 AM
Step Count	176
Page Faults	0
Page Reclaims	165
Page Swaps	0
Voluntary Context Switches	11
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	264

```

76      ;
77      run;
78
79      proc sort data=amit nodup out=nodup;
80      by id;
81      run;

```

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

NOTE: 1 duplicate observations were deleted.

NOTE: The data set WORK.NODUP has 3 observations and 3 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	1201.96k
OS Memory	22700.00k
Timestamp	10/10/2023 07:07:51 AM
Step Count	177 Switch Count 2
Page Faults	0
Page Reclaims	152
Page Swaps	0
Voluntary Context Switches	10
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	272

```

82
83      proc sort data=amit nodupkey out=nodupkey;
84      by id;
85      run;

```

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

NOTE: 2 observations with duplicate key values were deleted.

NOTE: The data set WORK.NODUPKEY has 2 observations and 3 variables.

NOTE: PROCEDURE SORT used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	1201.96k
OS Memory	22700.00k
Timestamp	10/10/2023 07:07:51 AM

Step Count	178	Switch Count	2
Page Faults	0		
Page Reclaims	153		
Page Swaps	0		
Voluntary Context Switches	10		
Involuntary Context Switches	0		
Block Input Operations	0		
Block Output Operations	272		

```

86
87     proc print data=nodup;
88     Title j=center "Nodup Output";
89     Footnote j=c " Created By Amit Kumar Singh, #singhamit8467@gmail.com";
90     run;

```

NOTE: There were 3 observations read from the data set WORK.NODUP.

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	1483.25k
OS Memory	22436.00k
Timestamp	10/10/2023 07:07:51 AM
Step Count	179
Page Faults	0
Page Reclaims	122
Page Swaps	0
Voluntary Context Switches	14
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	0

```

91
92     proc print data=nodupkey;
93     Title j=center"Nodupkey Output";
94     Footnote j=center" Created By Amit Kumar Singh, #singhamit8467@gmail.com";
95     run;

```

NOTE: There were 2 observations read from the data set WORK.NODUPKEY.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.00 seconds
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```
user cpu time      0.01 seconds
system cpu time    0.00 seconds
memory            658.15k
OS Memory         22436.00k
Timestamp         10/10/2023 07:07:51 AM
Step Count        180  Switch Count  2
Page Faults       0
Page Reclaims     79
Page Swaps        0
Voluntary Context Switches  18
Involuntary Context Switches 0
Block Input Operations  0
Block Output Operations  0
```

```
96
97
98
99      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
109
```

---

## Results: Dup&No\_Dup.sas

### Nodup Output

Obs	id	name	amount
1	1	Amit	22
2	1	Amit	23
3	2	Amit	23

Created By Amit Kumar Singh, #singhamit8467@gmail.com

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### Nodupkey Output

Obs	id	name	amount
1	1	Amit	22
2	2	Amit	23

Created By Amit Kumar Singh, #singhamit8467@gmail.com