

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69      /* importing the data to create a temp library file to work on */
70      PROC IMPORT OUT=WORK.import DATAFILE="/home/u60766313/my_shared_file_links/u50396654/citibike-tripdata.xlsx"
71      DBMS=XLSX REPLACE;
72      GETNAMES=YES;
73      run;

```

NOTE: One or more variables were converted because the data type is not supported by the V9 engine. For more details, run with options MSGLEVEL=I.

NOTE: The import data set has 48021 observations and 12 variables.

NOTE: WORK.IMPORT data set was successfully created.

NOTE: PROCEDURE IMPORT used (Total process time):

real time	6.64 seconds
user cpu time	6.63 seconds
system cpu time	0.01 seconds
memory	12779.90k
OS Memory	38688.00k
Timestamp	06/05/2022 08:54:19 AM
Step Count	32
Switch Count	4
Page Faults	0
Page Reclaims	2948
Page Swaps	0
Voluntary Context Switches	46
Involuntary Context Switches	9
Block Input Operations	0
Block Output Operations	16648

```

74
75      /* 2i doing an sql procedure step to delete end station id and end station name that are null */
76      PROC SQL;
77      DELETE FROM import where (end_station_id='' AND end_station_name='');

```

NOTE: 359 rows were deleted from WORK.IMPORT.

```

78      QUIT;

```

NOTE: PROCEDURE SQL used (Total process time):

real time	0.01 seconds
user cpu time	0.02 seconds
system cpu time	0.00 seconds
memory	6922.09k
OS Memory	33192.00k
Timestamp	06/05/2022 08:54:19 AM

Step Count	33	Switch Count	3
Page Faults	0		
Page Reclaims	299		
Page Swaps	0		
Voluntary Context Switches	8		
Involuntary Context Switches	0		
Block Input Operations	0		
Block Output Operations	16		

```

79
80      /* 2ii forming data to have different columns for date and time */
81      Data CitiBike;
82      set import;
83      format started_at DATETIME16.;
84      format ended_at DATETIME16.;
85      Startdate=datepart(started_at);
86      Starttime=timepart(started_at);
87      Enddate=datepart(ended_at);
88      Endtime=timepart(ended_at);
89      Format Startdate mmddyy10.;
90      Format Starttime TIME8.;
91      Format Enddate mmddyy10.;
92      Format Endtime TIME8.;
93
94      /* doing if statement to have a new column that displays evening morning and afternoon */
95      if Starttime <'12:00't then
96      Starttimes='Morning';
97      else if Starttime <'18:00't then
98      Starttimes='Afternoon';
99      else
100     Starttimes='Evening';
101
102     if Endtime <'12:00't then
103     EndTimes='Morning';
104     else if Endtime <'18:00't then
105     EndTimes='Afternoon';
106     else
107     EndTimes='Evening';
108     run;

```

NOTE: There were 47662 observations read from the data set WORK.IMPORT.

NOTE: The data set WORK.CITIBIKE has 47662 observations and 18 variables.

NOTE: DATA statement used (Total process time):

real time	0.02 seconds
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user cpu time	0.01 seconds
system cpu time	0.02 seconds
memory	3589.25k
OS Memory	29864.00k
Timestamp	06/05/2022 08:54:19 AM
Step Count	34
Switch Count	3
Page Faults	0
Page Reclaims	501
Page Swaps	0
Voluntary Context Switches	17
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	21000

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110

OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

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