

```
*****;
*   Filtering Rows Using Macro Variables   *;
*****;
*   Syntax and Example                     *;
*                                           *;
*   %LET macrovar=value;                  *;
*                                           *;
*   Usage:                                *;
*   WHERE numvar=&macrovar;                *;
*   WHERE charvar="&macrovar";            *;
*   WHERE datevar="&macrovar"d;           *;
*****;
```

```
%let CarType=Wagon;
```

```
proc print data=sashelp.cars;
  where Type="&CarType";
  var Type Make Model MSRP;
run;
```

```
proc means data=sashelp.cars;
  where Type="&CarType";
  var MSRP MPG_Highway;
run;
```

```
proc freq data=sashelp.cars;
  where Type="&CarType";
  tables Origin Make;
run;
```

```
*****;
*   Demo                                   *;
*   1) Highlight the demo program and run the selected *;
*       code.                               *;
*   2) Write three %LET statements to create macro *;
*       variables named WindSpeed, BasinCode, and Date. *;
*       Set the initial values of the variables to match *;
*       the WHERE statement.                 *;
*   3) Modify the WHERE statement to reference the macro *;
*       variables. Highlight the demo program and run the *;
*       selected code. Verify that the same results are *;
*       produced.                             *;
*   4) Change the values of the macro variables to *;
*       values that you select. Possible values for Basin *;
*       include NA, WP, SP, WP, NI, and SI. Highlight the *;
*       demo program and run the selected code. *;
*****;
```

```
%LET WindSpeed = 156;
%let BasinCode = NA;
%let Date = 01Jan2000;
```

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```
proc print data=pg1.storm_summary;  
  where MaxWindMPH>=&WindSpeed and Basin="&BasinCode" and StartDate>="&Date"d;  
  var Basin Name StartDate EndDate MaxWindMPH;  
run;
```

---

```
proc means data=pg1.storm_summary;  
  where MaxWindMPH>=&WindSpeed and Basin="&BasinCode" and StartDate>="&Date"d;  
  var MaxWindMPH MinPressure;  
run;
```