```
*SAS BARPLOT;
/*
SAS uses the procedure PROC SGPLOT to create bar charts.

Syntax:
    PROC SGPLOT DATA = DATASET;
    VBAR variables;
    RUN;

    DATASET - is the name of the dataset used.

    variables - are the values used to plot the histogram.

*/
PROC SQL;
create table CARS1 as
SELECT make, model, type, invoice, horsepower, length, weight
    FROM
    SASHELP.CARS
    WHERE make in ('Audi','BMW')
;
RUN;

proc SGPLOT data = work.cars1;
vbar length ;
title 'Lengths of cars';
run;
quit;

*Stacked Bar chart;
/*
A stacked bar chart is a bar chart in
which a variable from the dataset is calculated with respect to another variable.
*/

proc SGPLOT data = work.cars1;
vbar length /group = type ;
title 'Lengths of Cars by Types';
run;
quit;

*Clustered Bar chart;
/*
The clustered bar chart is created to
show how the values of a variable are spread across a culture.
*/
proc SGPLOT data = work.cars1;
vbar length /group = type GROUPDISPLAY = CLUSTER;
title 'Cluster of Cars by Types';
run;
quit;
```