```
************************************************
*This Program compares the indicator Total Reserves*
*of Spain with mean, maximum and minimum of        *
* Aggregate countries(Germany,Morocco and Italy)   *
************************************************;

%let path = /home/nkumari0/WorldBank;
ods pdf file="&path/TotalReserves.pdf";
libname ger xlsx "&path/germany.xlsx";
libname mor xlsx "&path/morocco.xlsx";
libname spa xlsx "&path/Spain.xlsx";
libname ita xlsx "&path/italy.xlsx";


data work.maindata ;
set ger.'Data'n  mor.'Data'n ita.'Data'n spa.'Data'n;
where 'Indicator Code'n in("FI.RES.TOTL.CD");
drop '1960'n - '1998'n '2014'n '2015'n;
run;


proc print data=work.maindata;
var 'Country Name'n  'Indicator Code'n 'Indicator Name'n
'1999'n - '2013'n;
run;

proc transpose data=work.maindata out=o_data
(drop=_label_);
run;
title1 'Total Reserves';
title2 'Aggregate Countries- Germany, Morocco, Italy';
title3   'Base Country-Spain';
proc print data=o_data label;
label _NAME_ = 'year'
      COL1   = 'Germany'
      COL2   = 'Morocco'
      COL3   = 'Italy'
      COL4   = 'Spain';
run;
title1;
title2;
title3;


data work.reserves;
set o_data;
rename COL1=Germany COL2 = Morocco COL3= Italy COL4= Spain
_NAME_=year ;
```

```
Avg = mean(COL1, COL2 , COL3 );
Mini = Min(COL1, COL2 , COL3);
Maxi = Max(COL1, COL2 , COL3);
run;
title1 'Mean Maximum and minimum of Aggregate Countries and
Spain';
proc print data=work.reserves;
run;
title1;
proc gplot data=work.reserves;
plot Spain*year Maxi*year Mini*year / overlay ;
 title1 'Total Reserves';
title2 'Spain vs Aggregate Group Maximum and Minimum';
symbol1 i=spline v=dot ci=bippk  cv=DeepPink;

symbol2 i=spline v=diamondfilled ci= bigy  cv=DeepSkyBlue;
symbol3 i=spline v=diamondfilled ci= bigy  cv=DeepSkyBlue;
*symbol4 i=spline v=diamondfilled ci= bigy  cv=DeepSkyBlue;
run;

proc gplot data=work.reserves;
plot Spain*year Avg*year / overlay ;
 title1 'Total Reserves';
title2 'Spain vs Aggregate Group Mean';
symbol1 i=spline v=dot ci=bippk  cv=DeepPink;

symbol2 i=spline v=diamondfilled ci= bigy  cv=DeepSkyBlue;
*symbol3 i=spline v=diamondfilled ci= bigy  cv=DeepSkyBlue;
*symbol4 i=spline v=diamondfilled ci= bigy  cv=DeepSkyBlue;

run;
quit;
libname ger clear;
libname mor clear;
libname spa clear;
libname ita clear;
```