Exercise

1. **Using the DO Loop and Creating Random Data Sets**

   a. Navigate to the **SAS RAND function** page and choose a few functions to practice generating random numbers. Create a data table with at least two variables of random numbers and at least 10 observations. Be sure to use a random seed of your choice.

      http://support.sas.com/documentation/cdl/en/lefunctionsref/67960/HTML/default/viewer.htm#p0fpeei0opypg8n1b06qe4r040lv.htm

   b. Create a new data table with the same random variables that you specified from the previous step. Create a variable called **Class** that groups the first five observations into class 1 and the second five into class 2. Drop the nested DO loop index variable from the data table and add a sequence from 1 to 10. Print the data upon completion.

   c. Run the SAS code below (**SP4R04e02.sas**). What do you notice?

      ```
      data test;
         do i=1 to 2;
            output;
         end;
      run;

      proc print data=test;
      run;

      data test;
         set test;
         do j=1 to 5;
            output;
         end;
      run;

      proc print data=test;
      run;
      ```