

## Assignment05:

1. (5 points) What are the three required attributes of a column in SAS table?
2. (5 points) What was the name of Engine in LOG tab after you complete the 'In Activity: Create a Library for This Course (REQUIRED)' section?
3. (5 points) What is SAS engine? List 4 SAS engine names.
4. (5 points) After finishing 'Lesson 2: Essentials' in Section2, take a screen shot like the one in Section1 step 5, i.e., the whole screen with all 3 components in red box (**your name**, **check marks** for finished Lessons, and **Progression Bar**).
5. (10 points) Write SAS code to read the Excel file 'M05\_class\_data.xlsx' using **LIBNAME** and report the descriptor portion of **Module01** data set. Run the code and take a screen shot of the data set list under My Libraries/*your\_libref* on the left and either RESULTS or OUTPUT DATA tab (the output generated from your code) on the right.
6. (10 points) Write SAS code to read the Excel file 'M05\_class\_data.xlsx' using **PROC IMPORT** and report the descriptor portion of **Module00** data set. Run the code and take a screen shot of the file list under Module05 folder on the left and either RESULTS or OUTPUT DATA tab (the output generated from your code) on the right.
7. (10 points) Write SAS code to explore 'Experience\_in\_R' and 'Experience\_in\_SAS' variables in **Module00** data set created from either Q5 or Q6 above. Run the code and take a screen shot of either RESULTS or OUTPUT DATA tab with the output from your code.
8. (10 points) Write SAS code to create tables for 'Status' and 'Experience\_in\_Python' variables from **Module00** data set created from either Q5 or Q6 above. Run the code and take a screen shot of either RESULTS or OUTPUT DATA tab with the output from your code.
9. (15 points) From the SASHELP library data set you used in Assignment02-Q7 and Assignment03-Q3, choose a numeric type variable. Write SAS code to use **FORMAT statement** to print the number values of the chosen numeric variable in different format than the original format. Use PROC PRINT to print the first 10 observations. Include a screen shot of either RESULTS or OUTPUT DATA tab with the output from your code and submit your SAS code in 'A05\_Q5-Q10.sas' file. In case your data set

does not have a numerical variable, choose another data set (except birthwgt and fish) to do this question.

10. (15 points) Write SAS code to show today's DATE as a number and in 3 different DATE formats of your choice. Use PUT statement to show the value in LOG tab. Include a screen shot of LOG tab and submit your SAS code in 'A05\_Q5-Q10.sas' file.
11. (10 points) Take the Quiz 'Assignment05 – Q11', **closed book**. Note that your score itself is not graded. This is to check the weak/confused/less understood areas, so it can be addressed during the workshop time.
12. (extra 5 points) Discussion05.