

1. Using PROC SQL, recreate the following table  
data hosp2;  
set in.admissions;  
if hosp = 2;  
keep pt\_id hosp admdate didate;  
run;
2. Using PROC SQL, select only admissions with length of stay 21+ days
3. Using PROC SQL, how many different subjects are in the ERVISITS dataset? List them.
- 4a. Using PROC SQL, create a new table that includes all the information from ADMISSIONS, and properly links gender, dob and primary MD ID from PATIENTS. Be sure to format variables properly.
- 4b. Same query as above, but include primary MD NAME
5. Using PROC SQL, perform a full outer join of admissions and er visits, keep only one variable of pt\_id, admission/ER visit date, and hospital
- 6a. Using PROC SQL, find the following information:  
Number of patients w/ ER visits, Earliest ER visit, Latest ER visit
- 6b. Same as 6a, but get the information by hospital
- 6c. Same as 6b Continued, but only keep information for ERs with 4+ patients
7. Use a subquery, only keep observations from our "FAKE" dataset that have IDs NOT found in our list of SUBJECTS
- 8a. Create two macro variables:
  1. Number of Admissions
  2. Number of Unique Patients w/ an admission
- 8b. Print these macro variables to the log w/ a descriptive sentence for context
- 8c. Create one unique macro variable per patient ID in the ERVISITS set  
Print all IDs to the log  
(Hint: First create a macro variable to score number of unique patients)