

```
/*
1. Housekeeping
*/
TITLE;
FOOTNOTE;
ODS NOPROCTITLE;
RUN;

/*
2. Set libname, dataset, and output
*/
LIBNAME mylib "/folders/myfolders/STAT 604/Assignment 5";

.....
DATA covid19;
    SET mylib.txcovid;
    FILENAME output "/folders/myfolders/STAT 604/Assignment 5/
YSaraiya_HW12_output.pdf";
RUN;

/*
3. Creating temporary dataset with renaming and dropping temp columns
*/
.....
DATA temp;
    SET covid19(RENAME=(COUNTY_FIPS_NUMBER=TEMP_COUNTY_FIPS_NUMBER));
    COUNTY_FIPS_NUMBER=PUT(TEMP_COUNTY_FIPS_NUMBER, 8.);
    DROP TEMP_COUNTY_FIPS_NUMBER;
    MONTH=MONTH(REPORT_DATE);
    DAY=DAY(REPORT_DATE);
RUN;

/*
4. Sorting the dataset by County name and by Month
*/
.....
PROC SORT DATA=temp;
    BY COUNTY_NAME MONTH;
RUN;

/*
5. Output PDF
*/
ODS PDF FILE=output;

/*
6. Reporting the descriptor portion of temp
*/
.....
PROC CONTENTS DATA=temp;
    TITLE "Texas COVID-19 by County";
RUN;

/*
```

7. Print daily positive cases from counties of Brazos and McLennan

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```
PROC PRINT DATA=temp (OBS=1000) LABEL NOOBS;
  BY COUNTY_NAME MONTH;
  WHERE COUNTY_NAME IN ('Brazos' 'McLennan');
  VAR DAY PEOPLE_POSITIVE_NEW_CASES_COUNT;
  LABEL COUNTY_NAME='County Name' PEOPLE_POSITIVE_NEW_CASES_COUNT='New Cases'
        MONTH='Month' DAY='Day';
  SUM PEOPLE_POSITIVE_NEW_CASES_COUNT;
  ID COUNTY_NAME MONTH;
RUN;
```

/\*

8. Close PDF destination

\*/

```
ODS PDF CLOSE;
ODS HTML PATH="%qsysfunc(pathname(work))";
ODS HTML CLOSE;
RUN;
```

/\*

9.

a. What is the first day a case was reported in Brazos County?

17-March-2020

b. How many new cases did each county have during the month of July?

Brazos - 1872, McLennan - 3369

c. How many observations were read from the temporary data set in the last step that created the summary report?

335 observations

d. What is the total number of new cases from both counties

combined?