```sas
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/* Program Name: Assignment8 */
/* Date Created: 8 October 2020 */
/* Author: Yash Saraiya */
/* Purpose: Generates file/dataset for Personnel Profiles in
MEWACS 4.0 */
/*
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/* 1. Housekeeping */
Title;
Footnote;
/* 2. Creating a library refrence for the SAS data and excel
file */
LIBNAME Data1 "/folders/myfolders/STAT 604/base-guide-practice-data/
cert" ACCESS=READONLY;
LIBNAME Data2 xlsx "/folders/myfolders/STAT 604/Assignment 1/data/
np_info.xlsx";
/* 3 Creating two pdf to capture the output */
ods pdf (ID=outputA) FILE='/folders/myfolders/STAT 604/Assignment 1/
YSaraiya_HW08_outputA.pdf'
STYLE=Styles.Pearl
CONTENTS=YES
BOOKMARKLIST=HIDE;
ods pdf (ID=outputB) FILE='/folders/myfolders/STAT 604/Assignment 1/
YSaraiya_HW08_outputB.pdf'
PDFTOC=1;
/*4 PROC step to list all the data sets in the first library */
title1 'Data sets in the Data1 library';
footnote1 'Downloaded from SAS Website';
ODS PROCLABEL 'Data sets in the Data1 library';
PROC CONTENTS DATA=Data1._ALL_ NODS;
run;
/* 5 PROC step to list all the tables in the Excel file */
title1 'Tables in the Excel';
PROC CONTENTS DATA=Data2._ALL_ NODS;
ODS PROCLABEL 'Tables in the Excel file';
run;
ODS pdf (outputA) close;
/* 6. Descriptor portion of the mechanics data set */
title1 'Mechanics Data Set';
title2 'Descriptor Portion';
PROC CONTENTS DATA=Data1.mechanics varnum;
ODS PROCLABEL 'Mechanics - Descriptor';
Run;
/* 7. Data portion of the mechanics data set */
title1 'Mechanics Data Set';
title3 'Data Portion';
PROC PRINT DATA=Data1.mechanics;
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ODS PROCLABEL 'Mechanics - Data';
Run;
/* 8. Descriptor portion of the parks worksheet from the excel
file */
title1 'National Parks Information';
PROC CONTENTS DATA=Data2.parks;
ODS PROCLABEL 'National Parks - Descriptor';
Run;
/* 9. Data portion of the parks worksheet from the excel file */
ODS startpage=no;
PROC PRINT DATA=Data2.parks;
ODS PROCLABEL 'National Parks - Data';
Run;
/* 10. Delete the library refrence of the Excel file */
libname Data2 clear;
/* 11. Close pdf documents, SAS session and rerun the program
for final logs creation */
ODS pdf (outputB) close;
RUN;
/* 12. Answers the following questions
a. What are the last two items listed on the Table of Contents
page? National Parks - Descriptor, National Parks - Data
b. How many tables are in the Excel file? 3
c. What is the observation length of the mechanics data set? 88
d. How many numeric variables are in the mechanics data set? 4
e. What is the name and length of the longest variable in the
Parks table? Park Name 46
```