

Log for OutputA:

```
1          OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
NOTE: ODS statements in the SAS Studio environment may disable some
output features.
62
63          * 1 Open the program HW09.sas;
64          * 2 Save it as a different name (pulkit.jain_HW09.sas);
65
66          * 3 Add the header section;
67
68
/*****
69          /* Program Name:      pulkit.jain_HW09.sas      */
70          /* Program Location: C:\Users\Pulkit
Jain\Documents\sasuniversityedition\myfolders\assign9 */
71          /* Date Created:      10/09/2017              */
72          /* Author:   Pulkit Jain                      */
73          /* Purpose:   Assignment 9, practice with accessing sas data,
and view content */
74
75          * 4 Create two libname statements;
76          * Assign library called orion to locaion of data with access
only;
77          * Assign another library with read and write access;
78
79          libname orion '/folders/myfolders/prog1' access=readonly;
NOTE: Libref ORION was successfully assigned as follows:
      Engine:          V9
      Physical Name: /folders/myfolders/prog1
80          libname pulkit09 '/folders/myfolders/assign9';
NOTE: Libref PULKIT09 was successfully assigned as follows:
      Engine:          V9
      Physical Name: /folders/myfolders/assign9
81
82          * 5 Run the code inside HW09.sas;
83          data work.donations;
84              set orion.Employee_donations;
NOTE: Data file ORION.EMPLOYEE_DONATIONS.DATA is in a format that is
native to another host, or the file encoding does not match
the session encoding. Cross Environment Data Access will be used,
which might require additional CPU resources and might
reduce performance.
85              keep Employee_ID Qtr1 Qtr2 Qtr3 Qtr4;
86              Total=sum(Qtr1,Qtr2,Qtr3,Qtr4);
87          run;

NOTE: There were 124 observations read from the data set
ORION.EMPLOYEE_DONATIONS.
NOTE: The data set WORK.DONATIONS has 124 observations and 5 variables.
NOTE: DATA statement used (Total process time):
      real time          0.01 seconds
      cpu time           0.01 seconds
```

```

88
89      * 6 Comment out proc statement;
90      * proc print data=work.donations;
91
92      * 7 Edit the data step above so that it creates it in new
library;
93
94      data pulkit09.donations;
95          set orion.Employee_donations;
NOTE: Data file ORION.EMPLOYEE_DONATIONS.DATA is in a format that is
native to another host, or the file encoding does not match
the session encoding. Cross Environment Data Access will be used,
which might require additional CPU resources and might
reduce performance.
96          keep Employee_ID Qtr1 Qtr2 Qtr3 Qtr4;
97          Total=sum(Qtr1,Qtr2,Qtr3,Qtr4);
98      run;

```

NOTE: There were 124 observations read from the data set
ORION.EMPLOYEE_DONATIONS.

NOTE: The data set PULKIT09.DONATIONS has 124 observations and 5
variables.

NOTE: DATA statement used (Total process time):

```

real time          0.04 seconds
cpu time           0.01 seconds

```

```

99
100      * 8 Open a pdf output to capture the following results;
101      ods pdf file =
'/folders/myfolders/assign9/pulkit.jain_HW09_outputA.pdf' bookmarkgen=
no;
NOTE: Writing ODS PDF output to DISK destination
"/folders/myfolders/assign9/pulkit.jain_HW09_outputA.pdf", printer "PDF".
102
103      * 9 Add a proc contents step that will display the descriptor
portion of the donations data set;
104      * Add a title to it;
105      title 'Descriptor Portion of Donations Permanent Data Set';
106      PROC CONTENTS data = pulkit09.donations;
107      RUN;

```

NOTE: PROCEDURE CONTENTS used (Total process time):

```

real time          0.10 seconds
cpu time           0.09 seconds

```

```

108
109      * 10 Add a proc statement to show content of work library.
With descriptor portion of each data;
110      title 'Descriptor Portion of All Data Sets in Work Library';
111      PROC CONTENTS data = work._ALL_ ;
112      RUN;

```

NOTE: PROCEDURE CONTENTS used (Total process time):

real time 0.10 seconds

cpu time 0.10 seconds

113

114 * 11 Add a proc statement to show content of work library.

Without descriptor portion of each data;

115

116 title 'List of Data Sets in Orion Library';

117 PROC CONTENTS data = orion._ALL_ NODS;

118 RUN;

NOTE: PROCEDURE CONTENTS used (Total process time):

real time 0.11 seconds

cpu time 0.10 seconds

119

120 * 12 close pdf output destination;

121 ods pdf close;

NOTE: ODS PDF printed 5 pages to

/folders/myfolders/assign9/pulkit.jain_HW09_outputA.pdf.

122

123 ods listing;

124

125

126 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

139

Log for OutputB:

1 OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

NOTE: ODS statements in the SAS Studio environment may disable some output features.

62

63 * 1 Open the program HW09.sas;

64 * 2 Save it as a different name (pulkit.jain_HW09.sas);

65

66 * 3 Add the header section;

67

68

/*****

69 /* Program Name: pulkit.jain_HW09.sas */

70 /* Program Location: C:\Users\Pulkit

Jain\Documents\sasuniversityedition\myfolders\assign9 */

71 /* Date Created: 10/09/2017 */

72 /* Author: Pulkit Jain */

73 /* Purpose: Assignment 9, practice with accessing sas data,
and view content */

74

```

75      * 4 Create two libname statements;
76      * Assign library called orion to locaion of data with access
only;
77      * Assign another library with read and write access;
78
79      libname orion '/folders/myfolders/prog1' access=readonly;
NOTE: Libref ORION was successfully assigned as follows:
      Engine:          V9
      Physical Name: /folders/myfolders/prog1
80      libname pulkit09 '/folders/myfolders/assign9';
NOTE: Libref PULKIT09 was successfully assigned as follows:
      Engine:          V9
      Physical Name: /folders/myfolders/assign9
81
82      * 5 Run the code inside HW09.sas;
83      /* data work.donations; */
84      /*      set orion.Employee_donations; */
85      /*      keep Employee_ID Qtr1 Qtr2 Qtr3 Qtr4; */
86      /*      Total=sum(Qtr1,Qtr2,Qtr3,Qtr4); */
87      /* run; */
88
89      * 6 Comment out proc statement;
90      * proc print data=work.donations;
91
92      * 7 Edit the data step above so that it creates it in new
library;
93
94      /* data pulkit09.donations; */
95      /*      set orion.Employee_donations; */
96      /*      keep Employee_ID Qtr1 Qtr2 Qtr3 Qtr4; */
97      /*      Total=sum(Qtr1,Qtr2,Qtr3,Qtr4); */
98      /* run; */
99
100     * 8 Open a pdf output to capture the following results;
101     /* ods pdf file =
'/folders/myfolders/assign9/pulkit.jain_HW09_outputA.pdf' bookmarkgen=
no; */
102     ods pdf file =
'/folders/myfolders/assign9/pulkit.jain_HW09_outputB.pdf'
103     bookmarkgen= no style=sasweb;
NOTE: Writing ODS PDF output to DISK destination
"/folders/myfolders/assign9/pulkit.jain_HW09_outputB.pdf", printer "PDF".
104
105
106     * 9 Add a proc contents step that will display the descriptor
portion of the donations data set;
107     * Add a title to it;
108     title 'Descriptor Portion of Donations Permanent Data Set';
109     PROC CONTENTS data = pulkit09.donations;
110     RUN;

```

NOTE: PROCEDURE CONTENTS used (Total process time):

real time	0.11 seconds
cpu time	0.09 seconds

```

111
112      * 10 Add a proc statement to show content of work library.
With descriptor portion of each data;
113      title 'Descriptor Portion of All Data Sets in Work Library';
114      PROC CONTENTS data = work._ALL_ ;
115      RUN;

```

```

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time          0.08 seconds
      cpu time           0.06 seconds

```

```

116
117      * 11 Add a proc statement to show content of work library.
Without descriptor portion of each data;
118
119      title 'List of Data Sets in Orion Library';
120      PROC CONTENTS data = orion._ALL_ NODS;
121      RUN;

```

```

NOTE: PROCEDURE CONTENTS used (Total process time):
      real time          0.12 seconds
      cpu time           0.10 seconds

```

```

122
123      * 12 close pdf output destination;
124      ods pdf close;
NOTE: ODS PDF printed 4 pages to
/folders/myfolders/assign9/pulkit.jain_HW09_outputB.pdf.
125
126      ods listing;
127
128      /* 13 Signout and run the program */
129      /* 14 Comment out step 5 & 7, and pdf output statement */
130      /* Create a new similar pdf, titled outputB, with different
color */
131      /* 15 Execute the program */
132
133      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
146

```

Notes:

The two output differ in the color and general style. That has happened because we have included the sasweb style in the second pdf. Now we can see that headings, headers inside table are colored blue. The other difference is that the page number 3 in OutputA is not present in OutputB. It is titled "Descriptor Portion of All Data Sets in Work Library". The reason being, to ensure that the output is being displayed in the web environment, SAS Studio uses specific ODS options. If output

of the code is not compatible with a Web environment, that code is not displayed.