Program Summary - 8hw.sas

Execution Environment

Author:	sasdemo
File:	/folders/myfolders/8hw/8hw.sas
SAS Platform:	Linux LIN X64 2.6.32-696.20.1.el6.x86_64
SAS Host:	LOCALHOST
SAS Version:	9.04.01M5P09132017
SAS Locale:	en_US
Submission Time:	9/27/2018, 11:32:14 PM
Browser Host:	10.0.2.2
User Agent:	Mozilla/5.0 (Macintosh; Intel Mac OS X 10.13; rv:62.0) Gecko/20100101 Firefox/62.0
Application Server:	LOCALHOST.LOCALDOMAIN

Code: 8hw.sas

```
/* employees data */
data employees;
    input lname $ fname $ age job $ gender $ group $ state $10.;
    datalines;
    Smith Al 55 Man M 1 Texas
    Jones Ted 38 SR2 M 2 Vermont
    Hall Kim 22 SR1 M 2 Vermont
    Jones Kim 19 Sec F 1 Maryland
    Clark Guy 31 SR1 M 2 Maryland
    Grant Herbert 51 Jan M 3 Texas
    Schmidt Henry 62 Mec M 4 Washington
    Allen Joe 45 Man M 1 Vermont
    Call Steve 43 SR2 M 2 Maryland
    McCall Mac 26 Sec F 1 Texas
    Sue Joe 25 Mec F 4 Texas
    Murphy Cori 21 SR1 F 2 Washington
    Love Sue 27 SR2 F 2 Washington
    ;
run;

/* making employees1 data */
data employees1;
    set employees;
    length boss $ 6;
    if group=1 then
    boss='john';
    else if group=2 then
    boss='carl';
    else if group=3 then
    boss='harold';
    else if group=4 then
    boss='jacob';
    if state='Texas' then
    local=11;
    else if state='Vermont' then
    local=22;
    else if state='Washington' then
    local=33;
    else if state='Maryland' then
    local=44;
run;

/* creating user format */
proc format;
    value $qf
```

Log: 8hw.sas

Notes (14)

```
1          OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
72
73         /* employees data */
74         data employees;
75         input lname $ fname $ age job $ gender $ group $ state $10.;
76         datalines;

NOTE: The data set WORK.EMPLOYEES has 13 observations and 7 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


90         ;
91         run;
92
93         /* making employees1 data */
94         data employees1;
95         set employees;
96         length boss $ 6;
97         if group=1 then
98         boss='john';
99         else if group=2 then
100        boss='carl';
101        else if group=3 then
102        boss='harold';
103        else if group=4 then
104        boss='jacob';
105        if state='Texas' then
106        local=11;
107        else if state='Vermont' then
108        local=22;
109        else if state='Washington' then
110        local=33;
111        else if state='Maryland' then
112        local=44;
113        run;

NOTE: Character values have been converted to numeric values at the places given by: (Line):(Column).
      97:5     99:10    101:10   103:10
NOTE: There were 13 observations read from the data set WORK.EMPLOYEES.
NOTE: The data set WORK.EMPLOYEES1 has 13 observations and 9 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.01 seconds


114
115        /* creating user format */
116        proc format;
117
```

```
117      !  value $gf
118        1="john"
119        2="carl"
120        3="harold"
121        4="jacob";
NOTE: Format $GF has been output.
122
122      !  invalue sf
123        "Texas"=11
124        "Vermont"=22
125        "Washington"=33
126        "Maryland"=44;
NOTE: Informat SF has been output.
127        run;

NOTE: PROCEDURE FORMAT used (Total process time):
      real time           0.01 seconds
      cpu time            0.00 seconds


128
129        /* using the formats */
130        data employees2;
131        set employees;
132        boss=put(group, $gf.);
133        local=input(state, sf.);
134
135        /* printing the data */

NOTE: There were 13 observations read from the data set WORK.EMPLOYEES.
NOTE: The data set WORK.EMPLOYEES2 has 13 observations and 9 variables.
NOTE: DATA statement used (Total process time):
      real time           0.00 seconds
      cpu time            0.00 seconds


136        proc print data=employees1;

NOTE: There were 13 observations read from the data set WORK.EMPLOYEES1.
NOTE: PROCEDURE PRINT used (Total process time):
      real time           0.06 seconds
      cpu time            0.07 seconds


137        proc print data=employees2;
138
139        OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
152
```

Results: 8hw.sas

Obs	lname	fname	age	job	gender	group	state	boss	local
1	Smith	Al	55	Man	M	1	Texas	john	11
2	Jones	Ted	38	SR2	M	2	Vermont	carl	22
3	Hall	Kim	22	SR1	M	2	Vermont	carl	22
4	Jones	Kim	19	Sec	F	1	Maryland	john	44
5	Clark	Guy	31	SR1	M	2	Maryland	carl	44
6	Grant	Herbert	51	Jan	M	3	Texas	harold	11
7	Schmidt	Henry	62	Mec	M	4	Washington	jacob	33
8	Allen	Joe	45	Man	M	1	Vermont	john	22
9	Call	Steve	43	SR2	M	2	Maryland	carl	44
10	McCall	Mac	26	Sec	F	1	Texas	john	11
11	Sue	Joe	25	Mec	F	4	Texas	jacob	11
12	Murphy	Cori	21	SR1	F	2	Washington	carl	33
13	Love	Sue	27	SR2	F	2	Washington	carl	33

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1	Smith	Al	55	Man	M	1	Texas	john	11
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3	Hall	Kim	22	SR1	M	2	Vermont	carl	22
4	Jones	Kim	19	Sec	F	1	Maryland	john	44
5	Clark	Guy	31	SR1	M	2	Maryland	carl	44
6	Grant	Herbert	51	Jan	M	3	Texas	harold	11
7	Schmidt	Henry	62	Mec	M	4	Washington	jacob	33
8	Allen	Joe	45	Man	M	1	Vermont	john	22
9	Call	Steve	43	SR2	M	2	Maryland	carl	44
10	McCall	Mac	26	Sec	F	1	Texas	john	11
11	Sue	Joe	25	Mec	F	4	Texas	jacob	11
12	Murphy	Cori	21	SR1	F	2	Washington	carl	33
13	Love	Sue	27	SR2	F	2	Washington	carl	33