Program Summary - 6hw.sas

Execution Environment

Author:	sasdemo
File:	/folders/myshortcuts/STAT124/SASUniversityEdition/myfolders/6hw/6hw.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:	9/20/2018, 11:12:13 PM
Browser Host:	10.0.2.2
User Agent:	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/69.0.3497.100 Safari/537.36
Application Server:	LOCALHOST.LOCALDOMAIN

Code: 6hw.sas

```sas
/* IOUT data */
data iout;
    infile "/folders/myshortcuts/STAT124/SASUniversityEdition/myfolders/3HW/iout.csv" dlm=",";
    input Student Q Score;
run;

/* sum scores by student */
proc means data=iout mean sum nonobs noprint nway;
    class Student;
    var Score;
    id Q;
    output out=StudentResults (drop=_TYPE_ _FREQ_)
        sum=StudentSum
run;

/* percentage of correct answers by student */
data StudentResults;
    set StudentResults;
    StudentPerct=(divide(StudentSum, 150) * 100);
run;

proc print data=StudentResults noobs label;
    var Student StudentPerct;
    label StudentPerct = Percentage;
run;

/* sum scores by question */
proc means data=iout mean sum nonobs noprint nway;
    class Q;
    var Score;
    output out=QResults (drop=_TYPE_ _FREQ_)
        sum=QSum;
run;

/* percentage of students with correct answer by question */
data QResults;
    set QResults;
    QPerct=(divide(QSum, 50) * 100);
run;

proc print data=QResults noobs label;
    var Q QPerct;
    label Q = Question
```

```
      QPerct = Percentage;
run;
```

Log: 6hw.sas

Notes (20)

```
1          OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
72
73         /* IOUT data */
74         data iout;
75             infile "/folders/myshortcuts/STAT124/SASUniversityEdition/myfolders/3HW/iout.csv" dlm=",";
76             input Student Q Score;
77         run;

NOTE: The infile "/folders/myshortcuts/STAT124/SASUniversityEdition/myfolders/3HW/iout.csv" is:
      Filename=/folders/myshortcuts/STAT124/SASUniversityEdition/myfolders/3HW/iout.csv,
      Owner Name=root,Group Name=vboxsf,
      Access Permission=-rwxrwx---,
      Last Modified=12Sep2018:18:36:50,
      File Size (bytes)=61350

NOTE: 7500 records were read from the infile "/folders/myshortcuts/STAT124/SASUniversityEdition/myfolders/3HW/iout.csv".
      The minimum record length was 5.
      The maximum record length was 8.
NOTE: The data set WORK.IOUT has 7500 observations and 3 variables.
NOTE: DATA statement used (Total process time):
      real time              0.01 seconds
      cpu time               0.01 seconds


78
79         /* sum scores by student */
80         proc means data=iout mean sum nonobs noprint nway;
81         class Student;
82         var Score;
83         id Q;
84         output out=StudentResults (drop=_TYPE_ _FREQ_)
85         sum=StudentSum
86         run;
87
88         /* percentage of correct answers by student */

NOTE: There were 7500 observations read from the data set WORK.IOUT.
NOTE: The data set WORK.STUDENTRESULTS has 50 observations and 3 variables.
NOTE: PROCEDURE MEANS used (Total process time):
      real time              0.00 seconds
      cpu time               0.02 seconds


89         data StudentResults;
90         set StudentResults;
91         StudentPerct=(divide(StudentSum, 150) * 100);
92         run;

NOTE: There were 50 observations read from the data set WORK.STUDENTRESULTS.
NOTE: The data set WORK.STUDENTRESULTS has 50 observations and 4 variables.
NOTE: DATA statement used (Total process time):
      real time              0.00 seconds
      cpu time               0.00 seconds


93
94         proc print data=StudentResults noobs label;
95         var Student StudentPerct;
96         label StudentPerct = Percentage;
97         run;

NOTE: There were 50 observations read from the data set WORK.STUDENTRESULTS.
NOTE: PROCEDURE PRINT used (Total process time):
      real time              0.04 seconds
```

```
        cpu time            0.04 seconds


98
99          /* sum scores by question */
100         proc means data=iout mean sum nonobs noprint nway;
101         class Q;
102         var Score;
103         output out=QResults (drop=_TYPE_ _FREQ_)
104         sum=QSum;
105         run;

NOTE: There were 7500 observations read from the data set WORK.IOUT.
NOTE: The data set WORK.QRESULTS has 150 observations and 2 variables.
NOTE: PROCEDURE MEANS used (Total process time):
        real time           0.01 seconds
        cpu time            0.01 seconds


106
107         /* percentage of students with correct answer by question */
108         data QResults;
109         set QResults;
110         QPerct=(divide(QSum, 50) * 100);
111         run;

NOTE: There were 150 observations read from the data set WORK.QRESULTS.
NOTE: The data set WORK.QRESULTS has 150 observations and 3 variables.
NOTE: DATA statement used (Total process time):
        real time           0.00 seconds
        cpu time            0.00 seconds


112
113         proc print data=QResults noobs label;
114         var Q QPerct;
115         label Q = Question
116         QPerct = Percentage;
117         run;

NOTE: There were 150 observations read from the data set WORK.QRESULTS.
NOTE: PROCEDURE PRINT used (Total process time):
        real time           0.09 seconds
        cpu time            0.09 seconds


118
119         OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
132
```

Results: 6hw.sas

Student	Percentage
1	68.6667
3	67.3333
5	76.0000
7	82.0000
9	68.0000
11	67.3333
13	71.3333
15	73.3333
17	79.3333
19	58.0000
21	66.0000
23	76.6667
25	76.0000
27	61.3333
29	68.0000
31	70.6667
33	60.6667

Student	Percentage
35	76.6667
37	75.3333
39	78.0000
41	63.3333
43	78.6667
45	66.6667
47	64.0000
49	76.0000
51	75.3333
53	65.3333
55	82.0000
57	68.6667
59	79.3333
61	70.6667
63	64.6667
65	81.3333
67	81.3333
69	79.3333
71	58.6667
73	78.0000
75	79.3333
77	58.6667
79	80.0000
81	81.3333
83	74.6667
85	58.6667
87	69.3333
89	70.6667
91	74.0000
93	66.6667
95	64.0000
97	78.0000
99	70.6667

Question	Percentage
1	16
2	76
3	42
4	94
5	84
6	70
7	78
8	88
9	100
10	50
11	30
12	66
13	76
14	66
15	66
16	46
17	82
18	52
19	28
20	88
21	74
22	98
23	32
24	96
25	36
26	78
27	76
28	56
29	80
30	28

Program Summary - 6hw.sas

Question	Percentage
31	94
32	94
33	54
34	54
35	52
36	42
37	86
38	98
39	100
40	90
41	90
42	52
43	78
44	38
45	94
46	90
47	84
48	72
49	84
50	68
51	94
52	76
53	80
54	82
55	34
56	54
57	94
58	82
59	96
60	98
61	98
62	86
63	34
64	98
65	96
66	92
67	96
68	88
69	38
70	86
71	98
72	92
73	68
74	68
75	68
76	86
77	64
78	60
79	96
80	72
81	98
82	30
83	90
84	52
85	94
86	90
87	90
88	80
89	96
90	12
91	56
92	96
93	84
94	16
95	98
96	90
97	78
98	36

Question	Percentage
99	8
100	54
101	100
102	100
103	96
104	58
105	60
106	40
107	86
108	96
109	88
110	52
111	60
112	76
113	52
114	56
115	88
116	40
117	54
118	94
119	68
120	24
121	70
122	96
123	66
124	96
125	14
126	18
127	20
128	58
129	100
130	98
131	94
132	92
133	90
134	68
135	98
136	84
137	88
138	60
139	8
140	66
141	74
142	94
143	92
144	76
145	96
146	78
147	100
148	6
149	76
150	88