```sas
proc print data = sashelp.baseball (obs=10);
run;

proc sort data = sashelp.baseball out = out1;
by descending team;
run;

proc contents data = sashelp.air;
run;

proc contents data = sashelp.airline;
run;

data new;
set sashelp.air;
run;

data new1;
set sashelp.airline;
run;

proc sort data = new;
by air;
run;

proc sort data = new1;
by air;
run;

data new2;
set new new1;
merge new (in=a) new1 (in=b);
by air;
run;

proc contents data = new2;
run;

data dataset1;
set sashelp.air;
length flight_type $20.;
if air le 200 then flight_type = "01_low";
else if air le 300 then flight_type = "02_moderate";
else if air le 400 then flight_type = "03_high";
else flight_type = "04_extreme";
run;

proc freq data = dataset1;
tables flight_type;
run;

proc contents data = stpsamp.stpsale;
run;

proc print data = stpsamp.stpsale (obs=10);
```

```
45 run;
46
47 data dataset2;
48 set stpsamp.stpsale;
49 if region eq "NC" and citysize ="S" then result = 1;
50 else result = 0;
51 run;
52
53 proc print data = dataset2;
54 var region citysize result;
55 run;
56
57 data dataset3;
58 set stpsamp.stpsale;
59 if region eq "NC" or citysize = "S" then value = 1;
60 else value = 0;
61 run;
62
63 proc print data = dataset3;
64 var region citysize value;
65 run;
66
67 data dataset4;
68 set sashelp.baseball;
69 if team eq "Montreal" then result = 1;
70 else result = 0;
71 run;
72
73 proc print data = dataset4 (obs = 10);
74 run;
75
76 proc print data = sashelp.baseball;
77 where team = "Montreal";
78 run;
79
80 data dataset5;
81 set sashelp.baseball;
82 if natbat gt 300 then result = 1;
83 else result = 0;
84 run;
85
86 proc print data = dataset5 (obs = 10);
87 var natbat result;
88 run;
89
90 proc print data = sashelp.baseball;
91 where natbat gt 300;
92 run;
93
94 proc contents data = sashelp.iris;
95 run;
96
97 proc sql;
98 create table iris1 as
99 select species,petallength,petalwidth
100 from sashelp.iris;
```

```
90  quit;
91
92  proc sql;
93  create table iris2 as
94  select species,sepallength,sepalwidth
95  from sashelp.iris
96  group by species;
97  quit;
98
99  proc sql;
100 create table iris3 as
101 select species,
102 sum(petallength) as sum_petallength,
103 std(sepallength) as stddev_sepallength
104 from sashelp.iris
105 group by species;
106 quit;
107
108 proc gchart data = sashelp.iris;
109 pie species;
110 run;
111
112 proc gchart data = sashelp.iris;
113 pie3d species / sumvar = sepallength
114 explode = "Setosa";
115 run;
116
117 proc tabulate data = sashelp.iris;
118 class species;
119 var sepallength;
120 table species*sepallength;
121 run;
122
123 data dataset;
124 date1 = mdy(01,01,1960);
125 date2 = mdy(12,25,1959);
126 date3 = mdy(08,07,1960);
127 run;
128
129 data dataset1;
130 set dataset;
131 date_1 = datdif(date1,date3,'30/360');
132 run;
133
134 data dataset2;
135 set dataset;
136 year = yrdif(date1,date3,'30/360');
137 run;
138
139 data dataset3;
140 date1 = mdy(08,07,1999);
141 date2 = mdy(06,21,2007);
142 format date1 ddmmyy10.;
143 format date2 date9.;
144 run;
145
```

```
135 data dataset4;
136 format date3 ddmmyy10.;
137 informat date3 date9.;
138 input date3;
139 cards;
140 15JAN1999
141 01JAN1960
142 31JAN1959
143 ;
144 run;
145
146 ods html body = 'sasuser.v94/SAS_Programs_Jan19/iris.html';
147 proc freq data = sashelp.iris;
148 tables species;
149 run;
150 ods html close;
151
152 title1 'IRIS data by species';
153 title3 'species frequencies';
154 proc freq data = sashelp.iris;
155 tables species;
156 run;
157
158 proc print data = sashelp.iris;
159 label sepallength = "Sepal length";
160 run;
161
162 proc contents data = sashelp.iris;
163 run;
164
165 proc format;
166 value my_format
167 low - 44 = "01_low_upto_44"
168 45 - 60 = "02_45_upto_60"
169 60 - high = "03_60_and_above";
170 run;
171
172 proc freq data = sashelp.iris;
173 format sepallength my_format.;
174 table sepallength;
175 run;
176
177
178
179
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