

```

1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69      *AST 503
70      Program 2
71      Zainab Akinjobi
72      Using Conditional Statements
73      ;
74      data mydata;
75
76      input name $ 1-14 gender $ 16 age 18 -19 gross_income 22-26 dependents 29 ;
77
78
79
80      if dependents = 0 then premium = 0.026 * gross_income ;
81      else if dependents = 1 then premium = 0.058 * gross_income ;
82      else if dependents = 2 then premium = 0.077 * gross_income ;
83      else if dependents = 3 then premium = 0.123 * gross_income ;
84      else if dependents = >3 then premium = 0.15 * gross_income ;
85
86
87      net_income = gross_income - premium;
88
89      datalines;

```

NOTE: The data set WORK.MYDATA has 24 observations and 7 variables.

NOTE: DATA statement used (Total process time):

real time	0.00 seconds
user cpu time	0.00 seconds
system cpu time	0.00 seconds
memory	707.65k
OS Memory	26020.00k
Timestamp	12/13/2021 03:23:37 AM
Step Count	50 Switch Count 2
Page Faults	0
Page Reclaims	134
Page Swaps	0
Voluntary Context Switches	11
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	264

```

114      ;
115
116
117      proc print data = mydata;
118      var name gender premium;
119      title1 'print the records';
120

```

NOTE: There were 24 observations read from the data set WORK.MYDATA.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.02 seconds
user cpu time	0.03 seconds
system cpu time	0.00 seconds
memory	1286.59k
OS Memory	26020.00k
Timestamp	12/13/2021 03:23:37 AM
Step Count	51 Switch Count 1
Page Faults	0
Page Reclaims	90
Page Swaps	0
Voluntary Context Switches	9

Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	8

```

121      proc print data =mydata (obs=8);
122      title1 'print the first 8 records';
123

```

NOTE: There were 8 observations read from the data set WORK.MYDATA.

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.01 seconds
user cpu time	0.02 seconds
system cpu time	0.00 seconds
memory	753.84k
OS Memory	26020.00k
Timestamp	12/13/2021 03:23:37 AM
Step Count	52 Switch Count 1
Page Faults	0
Page Reclaims	69
Page Swaps	0
Voluntary Context Switches	10
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	8

```

124      proc print data =mydata;
125      title1 'print records where age is greater than 59';
126      where age >59;
127
128      run;

```

NOTE: There were 10 observations read from the data set WORK.MYDATA.

WHERE age>59;

NOTE: PROCEDURE PRINT used (Total process time):

real time	0.02 seconds
user cpu time	0.02 seconds
system cpu time	0.01 seconds
memory	933.12k
OS Memory	26280.00k
Timestamp	12/13/2021 03:23:37 AM
Step Count	53 Switch Count 1
Page Faults	0
Page Reclaims	94
Page Swaps	0
Voluntary Context Switches	10
Involuntary Context Switches	0
Block Input Operations	0
Block Output Operations	24

```

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141      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;

```

