

**Program Summary - Program 3****Execution Environment**

Author: u63155516  
 File:  
 SAS Platform: Linux LIN X64 3.10.0-1062.12.1.el7.x86\_64  
 SAS Host: ODAWS01-USW2-2.ODA.SAS.COM  
 SAS Version: 9.04.01M7P08062020  
 SAS Locale: en\_US  
 Submission Time: 5/4/2023, 8:20:41 PM  
 Browser Host: 130.191.100.46  
 User Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10\_15\_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/112.0.0.0 Safari/537.36  
 Application Server: ODAMID00-USW2-2.ODA.SAS.COM

**Code: Program 3**

```
data WORK.Array_PROJECT ;
set WORK.HEART_ASCENDING_TRANSPOSED ;
array a1 (1656) col1-col1656 ;
do i = 1 to 1656 ;
if _NAME_='Weight' and a1(i) < 140 then a1(i) = "TOO SKINNY" ;
end ;
run ;
proc contents data=WORK.Array_PROJECT;
run ;
proc print data=work.Array_PROJECT noobs ;
run ;
```

**Log: Program 3**

Notes (7)

```
1      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
68
69      data WORK.Array_PROJECT ;
70      set WORK.HEART_ASCENDING_TRANSPOSED ;
71      array a1 (1656) col1-col1656 ;
72      do i = 1 to 1656 ;
73      if _NAME_='Weight' and a1(i) < 140 then a1(i) = "TOO SKINNY" ;
74      end ;
75      run ;
NOTE: Character values have been converted to numeric values at the places given by: (Line):(Column).
73:24
NOTE: There were 95 observations read from the data set WORK.HEART_ASCENDING_TRANSPOSED.
NOTE: The data set WORK.ARRAY_PROJECT has 95 observations and 1660 variables.
NOTE: DATA statement used (Total process time):
      real time          0.01 seconds
      user cpu time      0.01 seconds
      system cpu time    0.01 seconds
      memory             4978.93k
      OS Memory          28076.00k
      Timestamp           05/05/2023 03:20:12 AM
      Step Count          53   Switch Count  2
      Page Faults         0
      Page Reclaims       1092
      Page Swaps          0
      Voluntary Context Switches 12
      Involuntary Context Switches 0
      Block Input Operations 0
      Block Output Operations 8712

76      proc contents data=WORK.Array_PROJECT;
77      run ;
NOTE: PROCEDURE CONTENTS used (Total process time):
      real time          1.33 seconds
      user cpu time      1.34 seconds
      system cpu time    0.00 seconds
      memory             4332.96k
      OS Memory          26632.00k
      Timestamp           05/05/2023 03:20:13 AM
      Step Count          54   Switch Count  0
      Page Faults         0
      Page Reclaims       363
      Page Swaps          0
```

Voluntary Context Switches	0
Involuntary Context Switches	3
Block Input Operations	0
Block Output Operations	560

```
78      proc print data=work.Array_PROJECT noobs ;
79      run ;
```

NOTE: There were 95 observations read from the data set WORK.ARRAY\_PROJECT.

NOTE: PROCEDURE PRINT used (Total process time):

real time	27.50 seconds
user cpu time	27.43 seconds
system cpu time	0.08 seconds
memory	14144.03k
OS Memory	36988.00k
Timestamp	05/05/2023 03:20:40 AM
Step Count	55      Switch Count  1
Page Faults	0
Page Reclaims	3086
Page Swaps	0
Voluntary Context Switches	10
Involuntary Context Switches	172
Block Input Operations	0
Block Output Operations	8984

```
80
81
82      OPTIONS NONOTES NOSTIMER NOSOURCE NOSYNTAXCHECK;
92
```

## Results: Program 3

The CONTENTS Procedure

Data Set Name	WORK.ARRAY_PROJECT	Observations	95
Member Type	DATA	Variables	1660
Engine	V9	Indexes	0
Created	05/04/2023 20:20:12	Observation Length	43136
Last Modified	05/04/2023 20:20:12	Deleted Observations	0
Protection		Compressed	NO
Data Set Type		Sorted	NO
Label			
Data Representation	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
Encoding	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information

Data Set Page Size	131072
Number of Data Set Pages	34
First Data Page	2
Max Obs per Page	3
Obs in First Data Page	1
Number of Data Set Repairs	0
Filename	/saswork/SAS_work5B9E00010A50_odaws02-usw2-2.oda.sas.com/SAS_work44FA00010A50_odaws02-usw2-2.oda.sas.com/array_project.sas7bdat
Release Created	9.0401M7
Host Created	Linux
Inode Number	2415950739
Access Permission	rwt-r--
Owner Name	u63155516
File Size	4MB
File Size (bytes)	4587520

Alphabetic List of Variables and Attributes

#	Variable	Type	Len	Label
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5	COL2	Char	26	
6	COL3	Char	26	
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10	COL7	Char	26	
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22	COL19	Char	26	

Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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577	COL574	Char	26	
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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Alphabetic List of Variables and Attributes				
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1264	COL1261	Char	26	
1265	COL1262	Char	26	
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1271	COL1268	Char	26	
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1286	COL1283	Char	26	

Alphabetic List of Variables and Attributes				
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1287	COL1284	Char	26	
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1289	COL1286	Char	26	
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1300	COL1297	Char	26	
1301	COL1298	Char	26	
1302	COL1299	Char	26	
1303	COL1300	Char	26	
1304	COL1301	Char	26	
1305	COL1302	Char	26	
1306	COL1303	Char	26	
1307	COL1304	Char	26	
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1365	COL1362	Char	26	

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
1366	COL1363	Char	26	
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1368	COL1365	Char	26	
1369	COL1366	Char	26	
1370	COL1367	Char	26	
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1373	COL1370	Char	26	
1374	COL1371	Char	26	
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Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
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1502	COL1499	Char	26	
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Alphabetic List of Variables and Attributes				
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1524	COL1521	Char	26	
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1601	COL1598	Char	26	
1602	COL1599	Char	26	

Alphabetic List of Variables and Attributes				
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1656	COL1653	Char	26	
1657	COL1654	Char	26	
1	MedCtrlID	Char	7	
3	_LABEL_	Char	40	LABEL OF FORMER VARIABLE
2	_NAME_	Char	23	NAME OF FORMER VARIABLE
1658	col1655	Char	26	
1659	col1656	Char	26	
1660	i	Num	8	

MedCtrlID	_NAME_	_LABEL_	COL1	COL2	COL3	COL4	COL5	COL6	COL7	COL8	COL9	COL10	COL11	COL12	COL13
CA90025	MedCtrlID		CA90025	CA90025	CA90025	CA90025	CA90025	CA90025	CA90025	CA90025	CA90025	CA90025	CA90025	CA90025	CA90025
CA90025	Status		Dead	Dead	Dead	Dead	Alive	Alive	Alive	Dead	Dead	Dead	Dead	Dead	Alive
CA90025	DeathCause	Cause of Death	Other	Other	Cancer	Coronary Heart Disease				Coronary Heart Disease	Coronary Heart Disease	Coronary Heart Disease	Coronary Heart Disease	Other	
CA90025	AgeCHDdiag	Age CHD Diagnosed	.	.	.	50	.	50	.	62	54	73	69	.	50
CA90025	Sex		Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male
CA90025	AgeAtStart	Age at Start	56	50	34	50	33	38	50	60	50	51	49	38	34
CA90025	Height		67	66.25	65.75	69	72.25	75	65.75	66.75	68	65.25	61.5	68	69.5
CA90025	Weight		198	191	TOO SKINNY	195	198	209	162	180	167	166	170	167	171
CA90025	Diastolic		88	92	74	98	68	68	102	92	86	94	90	92	74
CA90025	Systolic		120	158	112	146	118	112	142	164	126	154	142	160	120
CA90025	MRW	Metropolitan Relative	141	141	99	132	123	119	124	133	116	127	143	116	116

MedCtrlID	_NAME_	_LABEL_	COL1	COL2	COL3	COL4	COL5	COL6	COL7	COL8	COL9	COL10	COL11	COL12	COL13
		Weight													
CA90025	Smoking		.	.	.	.	.	.	.	.	.	.	.	.	
CA90025	AgeAtDeath	Age at Death	62	82	66	68	.	.	.	64	56	75	73	44	.
CA90025	Cholesterol			179	.	.	194	.	.	.	.	.	.	.	
CA90025	Chol_Status	Cholesterol Status	Desirable				Desirable								
CA90025	BP_Status	Blood Pressure Status	Normal	High	Optimal	High	Optimal	Optimal	High	High	Normal	High	High	Normal	
CA90025	Weight_Status	Weight Status	Overweight	Overweight	Normal	Overweight	Overweight	Overweight	Overweight	Overweight	Overweight	Overweight	Overweight	Overweight	
CA90025	Smoking_Status	Smoking Status													
CA90025	Assigned_Smoking_Status														
CA92101	MedCtrlID		CA92101	CA92101	CA92101	CA92101	CA92101	CA92101	CA92101	CA92101	CA92101	CA92101	CA92101	CA92101	
CA92101	Status		Dead	Alive	Dead	Alive	Alive	Alive	Alive	Dead	Alive	Alive	Dead	Dead	
CA92101	DeathCause	Cause of Death	Coronary Heart Disease		Cancer					Cerebral Vascular Disease			Other	Cancer	
CA92101	AgeCHDdiag	Age CHD Diagnosed	67	.	65	.	.	.	64	.	62	.	.	.	
CA92101	Sex		Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	
CA92101	AgeAtStart	Age at Start	49	34	47	44	33	48	40	37	44	36	40	45	39
CA92101	Height		61	68.75	61.5	61.25	66.75	65	64.75	61	62.25	60.5	65.75	61.25	63
CA92101	Weight		142	TOO SKINNY	178	TOO SKINNY	TOO SKINNY	TOO SKINNY	TOO SKINNY	143	192	TOO SKINNY	151	154	TOO SKINNY
CA92101	Diastolic		92	86	98	100	80	90	74	70	124	68	78	80	60
CA92101	Systolic		138	134	142	138	116	120	124	106	204	100	130	122	112
CA92101	MRW	Metropolitan Relative Weight	127	97	159	114	104	108	92	128	166	107	118	138	94
CA92101	Smoking		30	30	30	30	30	30	30	35	30	30	30	30	30
CA92101	AgeAtDeath	Age at Death	75	.	79	.	.	.	.	.	68	.	.	77	71
CA92101	Cholesterol		276	286	228	196	192	267	211	219	267	.	.	217	271
CA92101	Chol_Status	Cholesterol Status	High	High	Borderline	Desirable	Desirable	High	Borderline	Borderline	High			Borderline	High
CA92101	BP_Status	Blood Pressure Status	High	Normal	High	High	Normal	High	Normal	Optimal	High	Optimal	Normal	Normal	Optimal
CA92101	Weight_Status	Weight Status	Overweight	Normal	Overweight	Overweight	Normal	Normal	Overweight	Overweight	Normal	Overweight	Overweight	Normal	Normal
CA92101	Smoking_Status	Smoking Status	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)
CA92101	Assigned_Smoking_Status		5	5	5	5	5	5	5	5	5	5	5	5	5
CA92307	MedCtrlID		CA92307	CA92307	CA92307	CA92307	CA92307	CA92307	CA92307	CA92307	CA92307	CA92307	CA92307	CA92307	CA92307
CA92307	Status		Alive	Alive	Alive	Alive	Alive	Alive	Alive	Alive	Alive	Alive	Alive	Alive	Alive
CA92307	DeathCause	Cause of Death													
CA92307	AgeCHDdiag	Age CHD Diagnosed	.	.	.	57	55	.	.	.	.	68	.	.	43
CA92307	Sex		Female	Female	Male	Male	Male	Female	Female	Female	Male	Male	Female	Female	Male
CA92307	AgeAtStart	Age at Start	39	58	35	33	33	59	36	35	42	40	41	39	33
CA92307	Height		65.75	61.75	71	64.25	70	65.75	63.75	66	72.25	70	61.75	63	66.5
CA92307	Weight		158	TOO SKINNY	194	151	174	156	TOO SKINNY	TOO SKINNY	182	189	TOO SKINNY	144	172
CA92307	Diastolic		80	92	68	68	90	74	84	76	78	78	72	80	106
CA92307	Systolic		128	176	132	108	142	156	132	132	136	124	116	120	146
CA92307	MRW	Metropolitan Relative Weight	123	117	124	118	114	122	102	93	113	124	124	120	127
CA92307	Smoking		0	0	0	0	0	0	0	0	0	0	0	0	0
CA92307	AgeAtDeath	Age at Death	.	.	.	.	.	.	.	.	.	.	.	.	.
CA92307	Cholesterol		242	196	211	221	188	200	184	150	221	319	194	196	247
CA92307	Chol_Status	Cholesterol Status	High	Desirable	Borderline	Borderline	Desirable	Borderline	Desirable	Borderline	High	Desirable	Desirable	High	High
CA92307	BP_Status	Blood Pressure Status	Normal	High	Normal	Optimal	High	High	Normal	Normal	Normal	Normal	Optimal	Normal	High
CA92307	Weight_Status	Weight Status	Overweight	Overweight	Overweight	Overweight	Overweight	Overweight	Normal	Normal	Overweight	Overweight	Overweight	Overweight	Overweight
CA92307	Smoking_Status	Smoking Status	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)	Non-Smoker(0)
CA92307	Assigned_Smoking_Status		1	1	1	1	1	1	1	1	1	1	1	1	1
CA94105	MedCtrlID		CA94105	CA94105	CA94105	CA94105	CA94105	CA94105	CA94105	CA94105	CA94105	CA94105	CA94105	CA94105	CA94105
CA94105	Status		Alive	Alive	Dead	Dead	Alive	Alive	Dead	Alive	Dead	Alive	Dead	Dead	Alive
CA94105	DeathCause	Cause of Death			Coronary Heart Disease	Cerebral Vascular Disease			Cerebral Vascular Disease			Cerebral Vascular Disease		Cerebral Vascular Disease	Cancer
CA94105	AgeCHDdiag	Age CHD Diagnosed	.	.	71	.	.	.	.	.	.	.	.	.	.
CA94105	Sex		Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female	Female
CA94105	AgeAtStart	Age at Start	44	35	57	56	32	39	49	45	48	35	36	51	41
CA94105	Height		66.5	64.5	61.5	59.25	61	68.25	60	66	61	66	68.25	68	67.5
CA94105	Weight		142	TOO SKINNY	TOO SKINNY	142	153	TOO SKINNY	TOO SKINNY	TOO SKINNY	TOO SKINNY	TOO SKINNY	TOO SKINNY	TOO SKINNY	TOO SKINNY
CA94105	Diastolic		86	68	76	100	80	74	136	96	108	68	88	100	84
CA94105	Systolic		136	128	178	136	140	112	234	148	176	94	128	172	114
CA94105	MRW	Metropolitan Relative Weight	108	100	122	134	137	94	126	96	104	94	85	119	86
CA94105	Smoking		.	.	.	.	.	.	.	.	.	.	.	.	.

## Program Summary - Program 3

MedCtrlID	_NAME_	_LABEL_	COL1	COL2	COL3	COL4	COL5	COL6	COL7	COL8	COL9	COL10	COL11	COL12	COL13
CA94105	AgeAtDeath	Age at Death	.	.	73	88	.	.	55	.	52	.	40	55	.
CA94105	Cholesterol		.	.	.	.	.	.	.	.	.	165	.	.	.
CA94105	Chol_Status	Cholesterol Status										Desirable			
CA94105	BP_Status	Blood Pressure Status	Normal	Normal	High	High	Normal	Optimal	High	High	High	Optimal	Normal	High	Normal
CA94105	Weight_Status	Weight Status	Normal	Normal	Overweight	Overweight	Overweight	Normal	Overweight	Normal	Normal	Normal	Underweight	Overweight	Underweight
CA94105	Smoking_Status	Smoking Status													
CA94105	Assigned_Smoking_Status														
NV89109	MedCtrlID		NV89109	NV89109	NV89109	NV89109	NV89109	NV89109	NV89109	NV89109	NV89109	NV89109	NV89109	NV89109	NV89109
NV89109	Status		Dead	Dead	Dead	Dead	Dead	Dead	Dead	Dead	Dead	Dead	Dead	Dead	Dead
NV89109	DeathCause	Cause of Death				Coronary Heart Disease				Coronary Heart Disease		Coronary Heart Disease			Cancer
NV89109	AgeCHDdiag	Age CHD Diagnosed	.	66	.	74	.	.	63	.	80	.	54	.	.
NV89109	Sex		Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male	Male
NV89109	AgeAtStart	Age at Start	39	44	40	46	48	31	37	54	52	44	30	37	54
NV89109	Height		66.25	69	66.25	66.5	66.75	68.75	72.25	65.25	71	68.5	66.25	65.5	68
NV89109	Weight		179	155	151	157	142	231	153	153	148	171	153	204	181
NV89109	Diastolic		76	90	72	84	72	68	76	92	88	92	82	82	92
NV89109	Systolic		128	130	132	142	108	126	116	138	130	148	148	134	156
NV89109	MRW	Metropolitan Relative Weight	133	105	112	116	105	160	95	117	94	119	113	156	126
NV89109	Smoking		30	30	30	30	30	30	30	30	30	40	30	40	30
NV89109	AgeAtDeath	Age at Death	.	.	.	76	.	.	65	.	82	68	.	.	84
NV89109	Cholesterol		225	292	192	233	292	186	234	213	253	200	159	300	.
NV89109	Chol_Status	Cholesterol Status	Borderline	High	Desirable	Borderline	High	Desirable	Borderline	Borderline	High	Borderline	Desirable	High	.
NV89109	BP_Status	Blood Pressure Status	Normal	High	Normal	High	Optimal	Normal	Optimal	High	Normal	High	High	Normal	High
NV89109	Weight_Status	Weight Status	Overweight	Normal	Overweight	Overweight	Normal	Overweight	Normal	Overweight	Normal	Overweight	Overweight	Overweight	Overweight
NV89109	Smoking_Status	Smoking Status	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)	Very Heavy (> 25)			
NV89109	Assigned_Smoking_Status		5	5	5	5	5	5	5	5	5	5	5	5	5