

**Exercise 1**  
**a**

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Obs	ID	DOB	Gender	Q1	Q2	Q3	Q4	Q5
1	007	06/04/1966	F	3	5	1	4	2
2	012	10/10/1937	M	5	5	4	4	3
3	535	07/12/1987	F	1	3	5	4	2
4	723	01/05/2000	M	2	1	2	1	1

## Exercise 1 b

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Obs	ID	DOB	Gender	Q1	Q2	Q3	Q4	Q5
1	007	06/04/1966	F	3	5	1	4	2
2	012	10/10/1937	M	5	5	4	4	3
3	535	07/12/1987	F	1	3	5	4	2
4	723	01/05/2000	M	2	1	2	1	1

## Exercise 2

### b

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Obs	ID	Name	Phone	HtSymbol	HtInches	Weight	WtPounds
1	7845	Cody, Roger	9087821234	5 " 10 '	70	170 1/8	170.125
2	5187	Jefferson, Thomas	3158488484	6 " 1 '	73	223 1/2	223.500
3	9413	Polo, Marco	8001234567	5 " 6 '	66	140	140.000
4	3485	Watson, Brian	5183551766	5 " 10 '	70	159 3/4	159.750
5	1058	DeMarco, Michael	4452322233	6 " '	72	176 1/3	176.333

## Exercise 2 C

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### The CONTENTS Procedure

<b>Data Set Name</b>	WORK.UPDATED_ZOUYANG7	<b>Observations</b>	5
<b>Member Type</b>	DATA	<b>Variables</b>	7
<b>Engine</b>	V9	<b>Indexes</b>	0
<b>Created</b>	04/14/2017 20:15:14	<b>Observation Length</b>	264
<b>Last Modified</b>	04/14/2017 20:15:14	<b>Deleted Observations</b>	0
<b>Protection</b>		<b>Compressed</b>	NO
<b>Data Set Type</b>		<b>Sorted</b>	NO
<b>Label</b>			
<b>Data Representation</b>	SOLARIS_X86_64, LINUX_X86_64, ALPHA_TRU64, LINUX_IA64		
<b>Encoding</b>	utf-8 Unicode (UTF-8)		

Engine/Host Dependent Information	
<b>Data Set Page Size</b>	131072
<b>Number of Data Set Pages</b>	1
<b>First Data Page</b>	1
<b>Max Obs per Page</b>	496
<b>Obs in First Data Page</b>	5
<b>Number of Data Set Repairs</b>	0
<b>Filename</b>	/saswork/SAS_workADDF0000E10D_odaws04-prod-us/SAS_work4CF80000E10D_odaws04-prod-us/updated_zouyang7.sas7bdat
<b>Release Created</b>	9.0401M3
<b>Host Created</b>	Linux
<b>Inode Number</b>	15597612
<b>Access Permission</b>	rw-r--r--
<b>Owner Name</b>	zouyang70
<b>File Size</b>	256KB
<b>File Size (bytes)</b>	262144

Alphabetic List of Variables and Attributes			
#	Variable	Type	Len
6	HtInches	Num	8
5	HtSymbol	Char	23
2	ID	Num	8
3	Name	Char	200
4	Phone	Num	8

## Exercise 2

### C

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#### The CONTENTS Procedure

Alphabetic List of Variables and Attributes			
#	Variable	Type	Len
1	Weight	Char	8
7	WtPounds	Num	8