Hw6 Solution

Q1:

Delete one column:

**DATA** contest;

INPUT Name $16. Age **3.** +**1** Type $1. +**1** Date MMDDYY10.

(Score1 Score2 Score3 Score4 Score5) (**4.1**);

DATALINES;

Alicia Grossman 13 c 10-28-2003 7.8 6.5 7.2 8.0 7.9

Matthew Lee 9 D 10-30-2003 6.5 5.9 6.8 6.0 8.1

Elizabeth Garcia10 C 10-29-2003 8.9 7.9 8.5 9.0 8.8

Lori Newcombe 6 D 10-30-2003 6.7 5.6 4.9 5.2 6.1

Jose Martinez 7 d 10-31-2003 8.9 9.510.0 9.7 9.0

Brian Williams 11 C 10-29-2003 7.8 8.4 8.5 7.9 8.0

;

**PROC** **PRINT** DATA = contest;

TITLE 'Pumpkin Carving Contest';

**RUN**;

|  |
| --- |
| Pumpkin Carving Contest |

| **Obs** | **Name** | **Age** | **Type** | **Date** | **Score1** | **Score2** | **Score3** | **Score4** | **Score5** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | Alicia Grossman | 13 |  | . | 7.8 | 6.50 | 7.2 | 8.0 | 7.9 |
| **2** | Matthew Lee | 9 |  | . | 6.5 | 5.90 | 6.8 | 6.0 | 8.1 |
| **3** | Elizabeth Garcia | 10 |  | . | 8.9 | 7.90 | 8.5 | 9.0 | 8.8 |
| **4** | Lori Newcombe | 6 |  | . | 6.7 | 5.60 | 4.9 | 5.2 | 6.1 |
| **5** | Jose Martinez | 7 |  | . | 8.9 | 9.51 | 0.0 | 9.7 | 9.0 |
| **6** | Brian Williams | 11 |  | . | 7.8 | 8.40 | 8.5 | 7.9 | 8.0 |

Add one column:

**DATA** contest;

INPUT Name $16. Age **3.** +**1** Type $1. +**1** Date MMDDYY10.

(Score1 Score2 Score3 Score4 Score5) (**4.1**);

DATALINES;

Alicia Grossman 13 c 10-28-2003 7.8 6.5 7.2 8.0 7.9

Matthew Lee 9 D 10-30-2003 6.5 5.9 6.8 6.0 8.1

Elizabeth Garcia 10 C 10-29-2003 8.9 7.9 8.5 9.0 8.8

Lori Newcombe 6 D 10-30-2003 6.7 5.6 4.9 5.2 6.1

Jose Martinez 7 d 10-31-2003 8.9 9.510.0 9.7 9.0

Brian Williams 11 C 10-29-2003 7.8 8.4 8.5 7.9 8.0

;

**PROC** **PRINT** DATA = contest;

TITLE 'Pumpkin Carving Contest';

**RUN**;

|  |
| --- |
| Pumpkin Carving Contest |

| **Obs** | **Name** | **Age** | **Type** | **Date** | **Score1** | **Score2** | **Score3** | **Score4** | **Score5** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | Alicia Grossman | 1 |  | . | . | . | . | . | . |
| **2** | Matthew Lee | . |  | . | . | . | . | . | . |
| **3** | Elizabeth Garcia | 1 |  | . | . | . | . | . | . |
| **4** | Lori Newcombe | . |  | . | . | . | . | . | . |
| **5** | Jose Martinez | . |  | . | . | . | 510 | . | . |
| **6** | Brian Williams | 1 |  | . | . | . | . | . | . |

Q2:

Delete one column:

**DATA** nationalparks;

INPUT ParkName $ **1**-**22** State $ Year @**40** Acreage COMMA9.;

DATALINES;

Yellowstone ID/MT/WY 1872 4,065,493

Everglades FL 1934 1,398,800

Yosemite CA 1864 760,917

Great Smoky Mountains NC/TN 1926 520,269

Wolf Trap Farm VA 1966 130

;

**PROC** **PRINT** DATA = nationalparks;

TITLE 'Selected National Parks';

**RUN**;

|  |
| --- |
| Selected National Parks |

| **Obs** | **ParkName** | **State** | **Year** | **Acreage** |
| --- | --- | --- | --- | --- |
| **1** | Yellowstone | ID/MT/WY | 1872 | 65493 |
| **2** | Everglades | FL | 1934 | 398800 |
| **3** | Yosemite | CA | 1864 | 760917 |
| **4** | Great Smoky Mountains | NC/TN | 1926 | 520269 |
| **5** | Wolf Trap Farm | VA | 1966 | 130 |

Add one column:

**DATA** nationalparks;

INPUT ParkName $ **1**-**22** State $ Year @**40** Acreage COMMA9.;

DATALINES;

Yellowstone ID/MT/WY 1872 4,065,493

Everglades FL 1934 1,398,800

Yosemite CA 1864 760,917

Great Smoky Mountains NC/TN 1926 520,269

Wolf Trap Farm VA 1966 130

;

**PROC** **PRINT** DATA = nationalparks;

TITLE 'Selected National Parks';

**RUN**;

|  |
| --- |
| Selected National Parks |

| **Obs** | **ParkName** | **State** | **Year** | **Acreage** |
| --- | --- | --- | --- | --- |
| **1** | Yellowstone | ID/MT/WY | 1872 | 406549 |
| **2** | Everglades | FL | 1934 | 139880 |
| **3** | Yosemite | CA | 1864 | 76091 |
| **4** | Great Smoky Mountains | NC/TN | 1926 | 52026 |
| **5** | Wolf Trap Farm | VA | 1966 | 13 |

Q3:

Delete @40:

**DATA** nationalparks;

\*INPUT ParkName $ 1-22 State $ Year @40 Acreage COMMA9.;

INPUT ParkName $ **1**-**22** State $ Year Acreage COMMA9.;

DATALINES;

Yellowstone ID/MT/WY 1872 4,065,493

Everglades FL 1934 1,398,800

Yosemite CA 1864 760,917

Great Smoky Mountains NC/TN 1926 520,269

Wolf Trap Farm VA 1966 130

;

**PROC** **PRINT** DATA = nationalparks;

TITLE 'Selected National Parks';

**RUN**;

|  |
| --- |
| Selected National Parks |

| **Obs** | **ParkName** | **State** | **Year** | **Acreage** |
| --- | --- | --- | --- | --- |
| **1** | Yellowstone | ID/MT/WY | 1872 | 4065 |
| **2** | Everglades | FL | 1934 | . |
| **3** | Yosemite | CA | 1864 | . |
| **4** | Great Smoky Mountains | NC/TN | 1926 | 5 |
| **5** | Wolf Trap Farm | VA | 1966 | . |