

```

/*Tyler Edwards*/
/*3-28-2019*/
/*H.W.6*/
/* 15.2, 15.3, 15.7, 15.8 */

```

```

/*15.2*/

```

```

data TEMPERATURE;
  input TF1-TF10 TC1-TC10;
  array TC(10) TC1-TC10;
  do i = 1 to 10;
    TC(i) = 5/9*(TC(i) - 32);
  drop i;
  end;
  datalines;
32 212 -40 10 20 30 40 50 60 70      32 212 -40 10 20 30 40 50 60 70
-10 0 10 20 30 40 50 60 70 80      -10 0 10 20 30 40 50 60 70 80
;

```

```

proc print data = TEMPERATURE NOOBS;
  TITLE "Listing of Data Set TEMPERATURE";
run;

```

```

/*15.3*/

```

```

data OLDMISS;
  input A B C X1-X3 Y1-Y3;
  array v(9) A B C X1-X3 Y1-Y3;
  do i = 1 to 9;
    if v(i) = 999 then v(i) = .;
    else if v(i) = 777 then v(i) = .;
  end;
  drop i;
  datalines;
1 2 3 4 5 6 7 8 9
999 4 999 999 5 999 777 7 7
;

```

```

/*15.7*/

```

```

data PROB15_7;
  length C1-C5 $ 2;
  input C1-C5 $ X1-X5 Y1-Y5;
  array C(5) C1-C5;
  array X(5) X1-X5;
  array Y(5) Y1-Y5;
  do i = 1 to 5;
    if C(i) = "NA" then C(i) = " " ;
    if X(i) = 999 then X(i) = . ;
    if Y(i) = 999 then Y(i) = . ;
  end;
  drop i;
  datalines;

```

```
AA BB CC DD EE 1 2 3 4 5 6 7 8 9 10  
NA XX NA YY NA 999 2 3 4 999 999 4 5 6 7  
;
```

```
/*15.8*/
```

```
data EXPER;  
    input TIME0-TIME4;  
datalines;  
100 200 300 400 500  
55 110 130 150 170  
;
```

```
data EXPERmin;  
    set EXPER;  
    array MINv(5) TIME0 - TIME4;  
    do i = 1 to 5;  
        MINv(i) = round(MINV(i)/ 60, .1);  
    end;  
    drop i;  
run;
```