How do I create a set of dummy variables with an array?

Many times you will need to create a set of dummy variables for race, marital status, state, etc. rather than using a series of 'if - then 'statements you can do the following:

```
data shortway;
set test;
array r( 5 ) race1-race5;
array m( 7 ) marstat0-marstat6;
do i= 1 to 5 ;
r(i)=(race=i);
end ;
do j= 1 to 7 ;
(j)=(marstat=j- 1 );
end ;
drop i j;
output ;
run ;
```

So, in the dataset 'test' there is a variable 'race' with 5 values and 'marstat' with 7 values. The arrays r and m are referencing the set of dummy variables that will be created in the do loop.

For the first case, when (i)=1 the variable 'race1' is also equal to 1 when race=1. Every other race2-race5 is 0.