

Variables allow programs to keep track of information over a period of time.  
Instead of pointing to one singular piece of information, an array points to a multiple pieces.  
Instead of having 100 variables an array is one thing that contains a list of variables.  
An array allows us to convert 100 lines of code to one line of code.  
Any time a program requires multiple instances of similar data, we use arrays.

**Examples:-**

If I want to make a sketch of an auditorium with 200 people then I would use an array.  
If I want to make a sketch of a parking lot with and 100 cars arranged horizontally or vertically I would use an array.  
If I want to store a selection of 10 colors I will use an array.  
Or if I want to list all the pet objects in the house I can use arrays.  
If want to store the score of 11 cricket players I will use an array.