

# Computer Science 12 AP

## Array Coding 01

**Code the following. Make sure to test out a few times to make sure that your routine is working properly! The solution to these problems is provided in the sample project Array Samples.  
(the size of the arrays may be different in the solution)**

[01]

Create an array of integers that can hold 10 values.

[02]

Fill the entire array with values that range from 1-6. Use `Math.random()` to generate the random numbers.

[03]

Print out the array so you can see the random values that were generated.

[04]

Add a break point inside your loop that generates the random numbers. Run your program using the debugger and watch the values in the array change as you 'step over' the code. This is just a reminder that you should know how to use the debugger with your programs!

[05]

Write the code that would count the number of sixes that were rolled. Print out the result. Verify by looking at your printout!

[06]

Write the code that would find out the index position of the first six that was rolled. When you find a six, you can 'break' out of the loop and print out the answer.

[07]

Change your random number code so that the array is filled with values in the range 1-100.

[08]

Write the code that would determine the largest value in the array. Print out the answer and verify with a few runs of the program.