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Programming I - Assignment 2
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1) Array
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Code:
package Section3;
import java.util.Scanner;
public class Array
       public static void main String args
                int arrayLength;
                double result=0.0
               // Declare & create an instance of the Scanner class
                Scanner input = new Scanner (System.in);
                // prompts the user to enter the array length
                System out print "How long should the array be? enter a number:"
                arrayLength=input.nextInt(); // assigns the inputed value to the variable
                       double array1 = new double arrayLength //declaring and assigning
the array
                       for (int i=0; i < arrayLength; i++) {
                                System.out.print("Enter a number:");
                                array1[i] = input.nextInt();
                       for (int i=0; i < arrayLength; i++) {</pre>
                               result += array1|i|; // result = result + array[i] (another way)
                                System.out.println(array1[i]); //prints the sum of the array
contents
                         System.out.println ("The array sum is: " + result);
        // end main()
// end of class
```

Code:

```
package Section3;
import java.util.Scanner;
public class LeapYear
  public static void main String | args) {
        int year:
        boolean isleap false:
                // Declare & create an instance of the Scanner class
                Scanner input = new Scanner System in);
               // prompts the user to enter an year
        System out print "Enter an year with 4 digits:"
        year=input.nextInt(); // assigns the input to the variable
        if ( year % 4 == 0 ) { //divisible by 4,
                 if ( year % 100 != 0 ) {//but not by 100
                        isleap = true; //it's a leap year
                 else if (year % 400 == 0) { //divisible by both 4 and 100 and also by 400
                         isleap = true; //so it's a leap
        if (isleap)
                System.out.println(year + " is a Leap Year");
     else
        System.out.println(year + " is not a Leap Year");
   // end main()
 // end of class
```