1. Find the First duplicate in the array size of array 10

```
class Main {
   public static void main(String[] args) {
      int[] arr = {11,3,4,8,2,11,3,7,4,11}; // Initialize array
      for (int i = 0; i < arr.length; i++) // Loop through the array to check for duplicates
       {
         for (int j = 0; j < i; j++)  // Compare with previous elements
          {
            if (arr[i] == arr[j]) // If duplicate found
           {
                System.out.println("First duplicate: " + arr[i]);
                return; // Exit after finding the first duplicate
            }
          }
      }
   }
}
```

2. Find the Second Minimum in array size of 10 without sorting

```
class Main
  {
   public static void main(String[] args)
   {
      int[] array = {9,2,3,5,1,41,86,22,55,53}; // array
      int min, secondmin;

      // Initialize min and secondmin
      if (array[0] < array[1]) {
         min = array[0];
         secondmin = array[1];
      }
   else {
         min= array[1];
         secondmin= array[0];
      }
```

```
      // Loop through the array to find the minimum and second minimum elements
      for (int i = 2; i < array.length; i++) {
         if (array[i] < min) { // If a new minimum is found
            secondmin =min;
            min= array[i];
         }
         else if (array[i] < secondmin) // If a new second minimum is found
          {
            secondmin = array[i];
         }
      }
      System.out.println("Second minimum number among the given array is " + secondmin); // Print the
results
   }
}
```