Java Array Programs

```java
package JavaTestProject;

public class JavaArrayOperations {

  public static void printArray(int[] arr) {

    System.out.println("----------Print all the values of an
array----------");

    for (int i = 0; i < arr.length; i++) {
      System.out.println(arr[i]);
    }
  }

  public static void printArrayReverse(int[] arr) {

    System.out.println("----------Print elements of array in reverse
order----------");

    for (int i = (arr.length - 1); i >= 0; i--) {
      System.out.println(arr[i]);
    }
  }

  public static void printDuplicate(int[] arr) {

    System.out.println("----------Print duplicate values in an
array----------");

    for (int i = 0; i < arr.length; i++) {
      for (int j = 0; j < arr.length; j++) {
        if (arr[i] == arr[j] && i != j) {
          System.out.println(arr[i]);
        }
      }
    }
  }

  public static void sortArray(int[] arr) {

    System.out.println("----------Sort the array----------");
```

```java
    for (int i = 0; i < arr.length; i++) {
      for (int j = 0; j < arr.length; j++) {
        if (arr[i] < arr[j]) {
          int temp;
          temp = arr[i];
          arr[i] = arr[j];
          arr[j] = temp;
        }
      }
    }
    for (int i = 0; i < arr.length; i++) {
      System.out.print(arr[i] + " ");
    }
    System.out.println(" ");

  }

  public static void reverseNumber(int n) {

    System.out.println("----------Reverse a 6 digit number
(123456)---(654321)----------");

    int r = 0;
    while (n != 0) {
      int m = n % 10;
      n = n / 10;
      r = r * 10 + m;
    }
    System.out.println(r);
  }

  public static void main(String[] args) {
    int arr[] = {1, 2, 3, 4, 5, 6, 7, 6, 9 };

    printArray(arr);
    printArrayReverse(arr);
    printDuplicate(arr);
    sortArray(arr);
    reverseNumber(123456);
  }

}
```

OUTPUT

```
<terminated> JavaArrayOperations [Java Application] C:\Users\romap\Downloads\eclipse-jee-2021-12-R-win32-x86_64\eclipse\plugins
----------Print all the values of an array----------
1
2
3
4
5
6
7
6
9
----------Print elements of array in reverse order----------
9
6
7
6
5
4
3
2
1
----------Print duplicate values in an array----------
6
6
----------Sort the array----------
1 2 3 4 5 6 6 7 9
----------Reverse a 6 digit number (123456)---(654321)----------
654321
```