EXTRA EXERCISE: ARRAY 1D

WRITE CODE TO DO THIS WORK:

Build the Array1DUtils.class, do under tasks and test these.

1) **WRITE A METHOD TO SWITCH VALUE AT 2 POSITIONS IN ONE DIMENSION ARRAY**

   public void switch(int[] array, int position1, int position2){
   //TODO
   }

2) **WRITE A METHOD TO DELETE VALUE AT THE TARGET POSITION IN ONE DIMENSION ARRAY**

   public void delete(int[] array, int position){

   //TODO

   }

3) **WRITE A METHOD TO INSERT VALUE AT THE TARGET POSITION IN ONE DIMENSION ARRAY**

   public void insert(int[] array, int position, int value){

   //TODO

   }

4) **WRITE A METHOD TO REVERSE ONE DIMENSION ARRAY**

   public void reverse(int[] array){

   //TODO

   }

5) **WRITE A METHOD TO FIND DUPLICATE TIMES OF TARGET IN ONE DIMENSION ARRAY (EX: finding 2 in [1,2,3,4,5,6,2, 2] => 3 times)**

   public int duplicateTimes(int[] array, int target){

   //TODO

```
}
```