

Exercise 1 — Two Arrays

Copy and examine the following program:

```
class TwoArrays
{
public static void main ( String[] args )
{
int[] val = {13, -4, 82, 17};
int[] twice = val;
System.out.println( "Original Array: "
+ val[0] + " " + val[1] + " " + val[2] + " " + val[3] );
// Construct an array object for twice.
// Put values in twice that are twice the
// corresponding values in val.
System.out.println( "New Array: "
+ twice[0] + " " + twice[1] + " " + twice[2] + " " + twice[3] );
}
}
```

Complete the program so that a new array `twice` is created. Now copy values from `val` to `twice`, but make the values in `twice` double what they are in `val`.

Note: Do not just double the values of `val` (i.e. do not change 13 to 26), rather multiply them by 2.