Array:

```
int arr[] = {1,2,4,3,6,5,6,8,7,8,9};
```

1. WAP to print all the values of an array

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

2. print elements of array in reverse order

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

3. print duplicate values in an array

```
for(int i=0;i<arr.length;i++)
{
 for(int j=i+1;j<arr.length;j++)
{
    if(arr[i] == arr[j])
    {
        System.out.print(" "+arr[i]);
    }

}
}
```

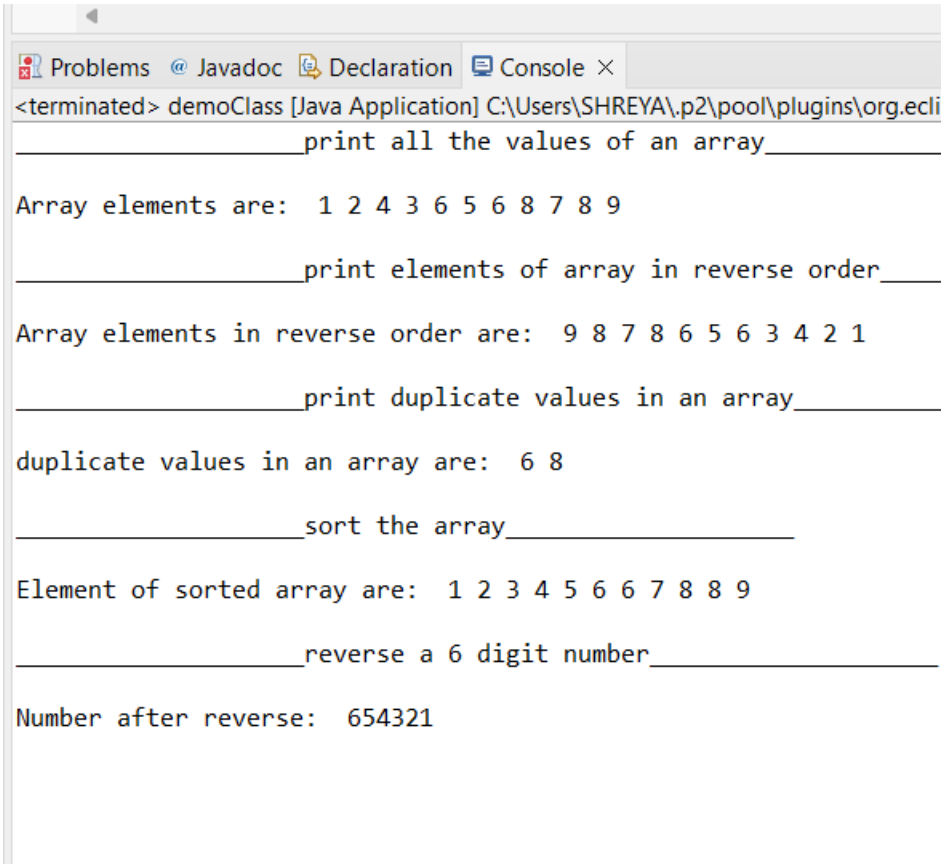
4. sort the array

```
Arrays.sort(arr);

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

5. reverse a 6 digit number

```
    int reverseNum = 0;

    while(num>0)
    {
        int r = num%10;
        reverseNum = reverseNum*10+r;
        num = num/10;
    }
    System.out.print(" "+ reverseNum);
```

Ouput:


Problems
Javadoc
Declaration
Console
<terminated> demoClass [Java Application] C:\Users\SHREYA\.p2\pool\plugins\org.ecli
_____print all the values of an array_____
Array elements are: 1 2 4 3 6 5 6 8 7 8 9
_____print elements of array in reverse order____
Array elements in reverse order are: 9 8 7 8 6 5 6 3 4 2 1
_____print duplicate values in an array_____
duplicate values in an array are: 6 8
_____sort the array_____
Element of sorted array are: 1 2 3 4 5 6 6 7 8 8 9
_____reverse a 6 digit number_____
Number after reverse: 654321