# ReflectionLog: EvensAndOdds

Youdis

```
//creating array to store random 25 integers
int[] numbers = new int[25];
//creating range of 0 to 99 for the 25 integers
final int MAX = 99;
final int MIN = 0;
final int RANGE = MAX - MIN + 1;
```

Creating an array to store the 25 random integers and also making the range of 0-99 for the values of the random integers.

```
//generating the 25 integers randomly using range and assigning them in the array made to store them
for( int i = 0; i<25; i++) {
    numbers[i] = (int)(Math.random() * RANGE);
}
```

Creating the random 25 integers in the range of 0 - 99 and putting them in as elements in array made to store them

```
//Prompting user to let them know all odd numbers of the random integers are going to be displayed
System.out.println("ODD:");
//checking from every number in the array to see which ones are odd, if odd they will be outputted to the user under the odd statement
for( int i = 0; i<25; i++) {
    if ((numbers[i] % 2) != 0) {
        System.out.print(numbers[i]);
        System.out.print(" ");
    }
}
```

Outputting ODD to let user know the odd integers are going to be outputted. Then sorting through the array for odd integers by modulus dividing every value in the array through a for loop, if the value of the modulus division is not 0 then the number is odd and will be outputted.

```
System.out.println("EVEN:");
//checking from every number in the array to see which ones are even, if even they will be outputted to the user under the even statement
for( int i = 0; i<25; i++) {
    if ((numbers[i] % 2) == 0) {

        System.out.print(numbers[i]);
        System.out.print(" ");
    }
}
```

Outputting EVEN to let user know the even integers will be outputted. Then putting the array through a for loop where every value in the array will be modulus divided by 2, if the answer to this division is 0 then the value will be outputted.