

EVEN AND ODDS (REFLECTION LOGS)

```
package Mastery;

public class EvensAndOdds {

    public static void main(String[] args) {

        int[] numbers = new int[25]; //array storing 25 random numbers

        int min = 0; //setting minimum
        int max = 99; //setting maximum
        int numRange = max - min + 1; //setting the range of numbers

        for (int i = 0; i < 25; i++) { //for loop to generate random numbers
            numbers[i] = (int) (Math.random() * numRange);
        }
    }
}
```

So far I have declared an array containing 25 values. Declared the range, and generated 25 random numbers into the array using the for loop.

```
System.out.println("Even Numbers: "); //Displays even numbers
for (int i = 0; i < 25; i++) {
    if ((numbers[i] % 2 == 0)) { //for loop loop through array
        System.out.print(numbers[i] + " ");
    }
}

System.out.println(" ");

System.out.println("Odd Numbers: "); //displays odd numbers
for (int i = 0; i < 25; i++) {
    if ((numbers[i] % 2 != 0)) { //Checks to see if number is odd
        System.out.print(numbers[i] + " ");
    }
}
```

I have now finished the code by checking each value in the array. If it gives a remainder when divided by 2, it's an even number; otherwise, it's an odd number.