```
	public static void main(String[] args) {



		//array
	int[] num = new int[25];

	//creating a range for number 0-100

	final int min = 0;
	final int max = 100;
	final int range = max - min + 1;

	//generating the 25 integers randomly using range and assigning them in the array made to store them
			for( int i = 0; i<25; i++) {

				num[i] = (int)(Math.random() * range);
			}
		// TO DISplay all odd numbers.
			System.out.println("");
			System.out.println("ODD: ");

			for( int i = 0; i<25; i++) {
			if ((num[i] % 2) != 0) {
				System.out.println(num[i]);

	}
			}
			//Blank output to create space between the even and odd numbers
			System.out.println("");
			//displaying all even numbers
			System.out.println("EVEN:");
			//checking from every number in the array to see which ones are even
			for( int i = 0; i<25; i++) {
				if ((num[i] % 2) == 0) {

					System.out.print(num[i]);
					System.out.print(" ");



	}
}
	}
	}
```

I first started by defining my array for 25 random digits then I followed up by a range of 0 and 100 so that the system only chooses numbers between that range. Next I generate 25 random integers which use the range sequence to assign each value in the array using simple math logic where it calculates the remainder when `num[i]` is divided by 2.

If the remainder if number is not equal to zero (`!= 0`), the number is odd then for even
If the remainder when dividing by 2 is `0`, the number is **even**.
I have the computer choose which numbers are odd and which numbers are even.