

## 1. Check Even or Odd

- **Method Name:** `isEven`
- **Parameter:** Takes an integer ( `num` ).
- **Return Type:** Returns a boolean ( `true` if even, `false` if odd ).

```
public boolean isEven(int num)
```

### Explanation:

The method checks if the number is divisible by 2 using `num % 2 == 0`. If true, it returns `true` (even); otherwise, it returns `false` (odd).

### Call from `main`

```
MyClass obj = new MyClass();  
System.out.println("Is 10 even? " + obj.isEven(10));
```

---

## 2. Check Positive or Negative

- **Method Name:** `checkNumber`
- **Parameter:** Takes an integer ( `num` ).
- **Return Type:** Returns a String ( "Positive", "Negative", or "Zero" ).

```
public String checkNumber(int num)
```

### Explanation:

The method checks if the number is greater than 0 (positive), less than 0 (negative), or equal to 0 and returns the corresponding string.

### Call from `main`

```
System.out.println("Check -5: " + obj.checkNumber(-5));
```

---

## 3. Check Eligibility to Vote

- **Method Name:** `canVote`
- **Parameter:** Takes an integer ( `age` ).
- **Return Type:** Returns a boolean ( `true` if eligible, `false` if not ).

```
public boolean canVote(int age)
```

### Explanation:

The method checks if the `age` is 18 or above. If yes, it returns `true`, meaning the person is eligible to vote. Otherwise, it returns `false`.

### Call from `main`

```
System.out.println("Can vote (Age 20)? " + obj.canVote(20));
```

---

## 4. Find the Greater Number

- **Method Name:** `findGreater`
- **Parameters:** Takes two integers ( `num1`, `num2` ).
- **Return Type:** Returns an integer (the greater number).

```
public int findGreater(int num1, int num2)
```

**Explanation:**

The method compares `num1` and `num2`. If `num1` is greater, it returns `num1`; otherwise, it returns `num2`. If both are equal, it returns either.

Call from `main`

```
System.out.println("Greater number (10, 25): " + obj.findGreater(10, 25));
```

---

## 5. Check Divisibility by 5

- **Method Name:** `isDivisibleBy5`
- **Parameter:** Takes an integer (`num`).
- **Return Type:** Returns a boolean (`true` if divisible by 5, otherwise `false`).

```
public boolean isDivisibleBy5(int num)
```

**Explanation:**

The method checks if `num` is divisible by 5 using `num % 5 == 0`. If yes, it returns `true`, otherwise `false`.

Call from `main`

```
System.out.println("Is 15 divisible by 5? " + obj.isDivisibleBy5(15));
```

---