```java
//to check if a number is disarium or not
import java.util.Scanner;

class Disarium {
    int num;                                                    //to initialize data members
    int size;

    void count() {                                              //to count total no of digits and assign it to size
        int temp = num;
        size = 0;
        while (temp != 0) {
            size++;
            temp /= 10;
        }
    }

    void getnum(int n) {                                        //to assign n to num and also initialize size with 0
        num = n;
        count();
    }

    int sumOfDigits() {                                         //finds and returns the sum of digits present in num
        int sum = 0;
        int temp = num;
        while (temp != 0) {
            int digit = temp % 10;
            sum += power(digit, size);
            size--;
            temp /= 10;
        }
        return sum;
    }

    int power(int m, int n) {
//calculates and returna m to the power n
        int result = 1;
        for (int i = 0; i < n; i++) {
            result *= m;
        }
        return result;
    }

    void check() {
//checks whether a number is disarium or not
        if (num == sumOfDigits()) {
            System.out.println(num + " is a Disarium number.");
```

```
            System.out.println(num + " is not a Disarium number.");
        }
    }
}

public class disarium_number
{                                                          //class starts
    public static void main()
{                                                         //main starts
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number: ");
        int n = scanner.nextInt();
        Disarium disarium = new Disarium();
        disarium.getnum(n);
//calling the necessary member functions
        disarium.check();
        scanner.close();


}
     //main ends
}
         //class ends
```