

**AHTISHAM UL HAQ**

**FA21-BSE-072**

**ST LAB TASK:**

## **VOTER VALIDATION**

```
import java.util.Scanner;

public class VoterDetection {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.println("Enter the age of the voter:");

        int age = scanner.nextInt();

        if (isEligibleToVote(age)) {

            System.out.println("The voter is eligible to vote.");

        } else {

            System.out.println("The voter is not eligible to vote.");

        }

        scanner.close();

    }

    public static boolean isEligibleToVote(int age) {

        // Check if the age meets the eligibility criteria for voting

        return age >= 18;

    }

}
```

}

## OUTPUT:

Enter the age of the voter:

20

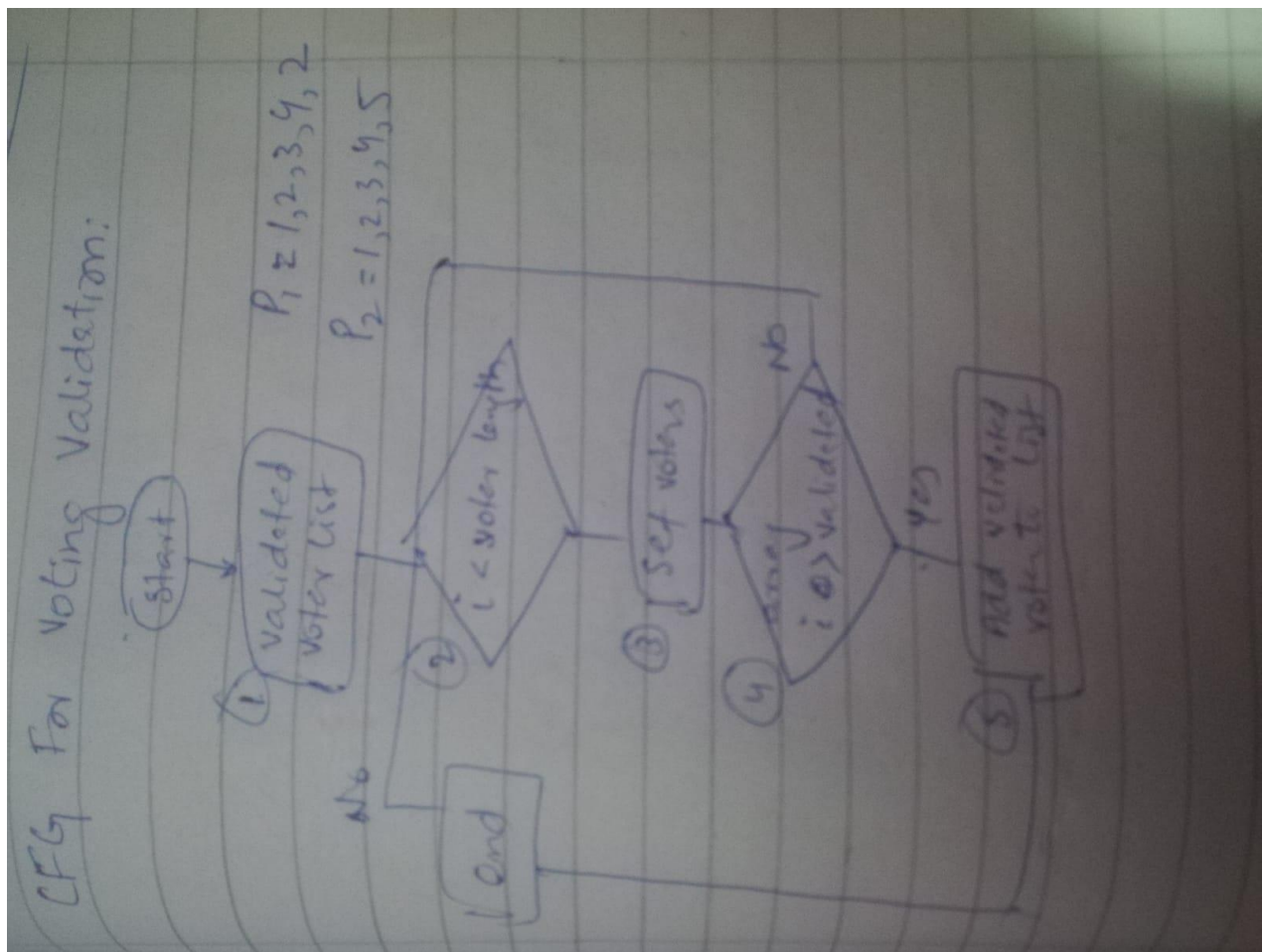
The voter is eligible to vote.

Enter the age of the voter:

15

The voter is not eligible to vote.

## CGF



## Listing the Paths

**Path 1:** Start ---> Input Voter's Age ---> Check Age Eligibility ---> Eligible to Vote ---> End

**Path 2:** Start ---> Input Voter's Age ---> Check Age Eligibility ---> Not Eligible to Vote ---> End

These paths cover the scenarios where a voter inputs their age and the system determines whether they are eligible to vote or not.

Now, let's create test cases for the voter validation system:

Test case ID	Description	Expected outcome	Coverage criteria
Tc1	Voter's age is below the minimum voting age.	Display a message indicating that the voter is not eligible to vote.	Statement, Decision
Tc2	Voter's age is above the minimum voting age.	Display a message indicating that the voter is eligible to vote.	Statement, Decision