Q1. Plans to Logic

#1

```
import java.util.Scanner;

public class FlowConversion01 {

    public static void main (String[] args) {
        Scanner input = new Scanner(System.in);

        int x;

        System.out.print("Enter a number: ");
        x = input.nextInt();

        if ( x != 0 && (x % 2) == 0) {
            System.out.println("'x' is even.");
        } else if (x != 0 ) {
            System.out.println("'x' is odd.");
        } else {
            System.out.println("Error: Please enter a nonzero number.");
        }
    }

}
```

#2

```
import java.util.Scanner;

public class FlowConversion02 {
    public static void main (String [] args) {
        Scanner input = new Scanner(System.in);

        double powerLevel;

        System.out.print("Please tell me your device's power level: ");
        powerLevel = input.nextDouble();
        input.nextLine();

        if (powerLevel > 50.0) {
            if (powerLevel > 75.0) {
                System.out.println("Full Battery.");
            } else {
                System.out.println("High Battery.");
```

```
            };
        } else {
            System.out.println("Warning: Charge Soon!");

            if (powerLevel > 25.0) {
                System.out.println("Low Battery.");
            } else {
                System.out.println("Empty Battery.");
            }
        }



    }
}
```