binaryDecimalShenanigans.java

```
public class binaryDecimalShenanigans {
    public static void main(String[] args) {
        System.out.print("Enter binary number: ");
        System.out.println("Binary to Decimal using recursion: " + binaryToDecimalRecursion(binary));
System.out.println("Decimal to Binary: " + decimalToBinary(decimal));
        System.out.println("Decimal to Binary using Recursion: " + decimalToBinaryRecursion(decimal));
    static int binaryToDecimal(int n) {
        String binary = String.valueOf(new StringBuffer("" + n).reverse());
         for (int i = 0; i < binary.length(); i++) {
                 decimal += (int) (Math.pow(2, i));
    static int decimalToBinary(int decimal) {
        String binary = "";
             binary += decimal % 2;
decimal /= 2;
         return Integer.parseInt(new StringBuffer(binary).reverse().toString());
    static int decimalToBinaryRecursion(int n) {
            return 0;
         return n % 2 + 10 * decimalToBinaryRecursion(n / 2);
    static int binaryToDecimalRecursion(int n) {
```