Write a program to convert the Binary to Decimal, Octal

CODE:

import java.util.Scanner;

public class BinaryConverter {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input binary number

System.out.print("Enter a binary number: ");

String binary = scanner.next();

// Convert binary to decimal

int decimal = binaryToDecimal(binary);

System.out.println("Decimal equivalent: " + decimal);

// Convert binary to octal

String octal = decimalToOctal(decimal);

System.out.println("Octal equivalent: " + octal);

}

// Function to convert binary to decimal

public static int binaryToDecimal(String binary) {

return Integer.parseInt(binary, 2);

}

// Function to convert decimal to octal

public static String decimalToOctal(int decimal) {

return Integer.toOctalString(decimal);

}

}

OUTPUT:

C:\javap>javac BinaryConverter.java

C:\javap>java BinaryConverter

Enter a binary number: 1111011

Decimal equivalent: 123

Octal equivalent: 173



