Write a program to convert Decimal number equivalent to Binary number and octal numbers?

CODE:

import java.util.Scanner;

public class DecimalToBinaryOctalConverter {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input decimal number

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

int decimalNumber = scanner.nextInt();

// Convert to binary

String binaryNumber = convertToBinary(decimalNumber);

System.out.println("Binary equivalent: " + binaryNumber);

// Convert to octal

String octalNumber = convertToOctal(decimalNumber);

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

}

// Function to convert decimal to binary

public static String convertToBinary(int decimalNumber) {

return Integer.toBinaryString(decimalNumber);

}

// Function to convert decimal to octal

public static String convertToOctal(int decimalNumber) {

return Integer.toOctalString(decimalNumber);

}

}

OUTPUT:

C:\javap>javac DecimalToBinaryOctalConverter.java

C:\javap>java DecimalToBinaryOctalConverter

Enter a decimal number: 123

Binary equivalent: 1111011

Octal equivalent: 173

