**CODE**

import java.util.Scanner;

public class Binary

{

public static void main(String[] args)

{

Scanner in = new Scanner(System.in);

int n, a, b, c, d, e , decimal;

System.out.print("Enter any 5 digit number in 1's and 0's: ");

n = in.nextInt();

a = n % 10;

b = n / 10 % 10;

c = n / 100 % 10;

d = n / 1000 % 10;

e = n / 10000;

if ( e == 1 )

{e = 16;

System.out.printf( "%d ", e );

} else {

System.out.printf("%d ", e );

}

if ( d == 1 )

{d = 8;

System.out.printf( "%d ", d );

} else {

System.out.printf("%d ", d );

}

if ( c == 1 ) {

c = 4;

System.out.printf( "%d ", c );

} else {

System.out.printf("%d ", c );

}

if ( b == 1 ) {

b = 2;

System.out.printf( "%d ", b );

} else {

System.out.printf("%d ", b );

}

if ( a == 1 ) {

a = a \* 1;

System.out.printf( "%d ", a );

} else {

System.out.printf("%d ", a );

}

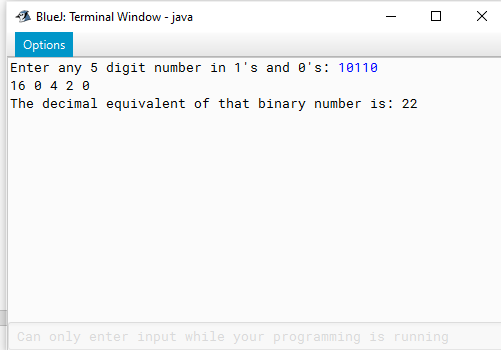
decimal = a + b + c + d + e;

System.out.printf("\nThe decimal equivalent of that binary number is: %d\n", decimal );

}

}

**OUTPUT**

****