import java.util.Scanner;

class Main{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.println("enter binary number: ");

int biNum=sc.nextInt();

int rem=0,count=0;

double temp=0;

for(int i=0;i<4;i++){

rem=biNum%10;

double product=rem\*Math.pow(2,count);

temp+=product;

count++;

biNum=biNum/10;

}

System.out.println("Decimal number:"+temp);

}

}

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class Main{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

System.out.println("enter binary number: ");

int biNum=sc.nextInt();

int rem=0,count=0;

double temp=0;

//for(int i=0;i<4;i++){ //we can execute in for loop also

while(biNum>=1){

rem=biNum%10;

double product=rem\*Math.pow(2,count);

temp+=product;

count++;

biNum=biNum/10;

}

int result=(int)temp;//type casting

System.out.println("Decimal number:"+result);

}

}