- **EASY**
- **Max Score: 30 Points**

Binary to Decimal

Write a program to convert a binary number into a decimal integer number.

Input Format

First line contains a string 's' denoting the number in binary format

Output Format

Return an integer i.e. decimal number of binary string.

Example 1

Input

```
10001000
```

Output

```
136
```

Example 2

Input

```
101100
```

Output

Constraints

1 <= number of bits in binary number <= 16

My code

```java
// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        String str=s.next();
        int n=str.length();
        int sum=0,point=1;//point=2 to power n
        for(int i=0;i<n;i++)
            {
                if(str.charAt(n-1-i)=='1')
                sum+=point;
                    point+=point;
            }
        System.out.print(sum);
```

```
        }
    }
```