1. Determinar el precio de un billete de ida y vuelta en ferrocarril, conociendo la distancia a recorrer sabiendo que si el número de días de estancia es superior a siete y la distancia superior a 800 kilómetros el billete tiene una reducción del 30%. El precio por kilómetros es de $0.63 USD.

2. Escribe un programa en Python que determine si un año ingresado por el usuario es bisiesto o no. Un año bisiesto es aquel que es divisible entre 4, excepto aquellos divisibles entre 100 pero no entre 400.

   El programa debe realizar lo siguiente:
   - ✓ Solicitar al usuario que ingrese un año.
   - ✓ Verificar si el año cumple con las condiciones para ser bisiesto.
   - ✓ Mostrar un mensaje indicando si el año es bisiesto o no.

3. Computing Body Mass Index. Body mass index (BMI) is a measure of health based on weight. It can be calculated by taking your weight in kilograms and dividing it by the square of your height in meters. The interpretation of BMI for people 16 years and older is as follows:

BMI	Interpretation
Below 18.5	Underweight
18.5–24.9	Normal
25.0–29.9	Overweight
Above 30.0	Obese

   Write a program that prompts the user to enter a weight in pounds and height in inches and then displays the BMI. Note that one pound is 0.45359237 kilograms and one inch is 0.0254 meters. Listing 4.6 gives the program.

   Example #1:

```
Enter weight in pounds: 146  ↵Enter
Enter height in inches: 70  ↵Enter
BMI is 20.95
Normal
```

4. Write a program that prompts the user to enter an integer for today's day of the week (Sunday is 0, Monday is 1, ..., and Saturday is 6). Also prompt the user to enter the number of days after today for a future day and display the future day of the week. Here is a sample run:

Example #1:

```
Enter today's day: 1  ↵Enter
Enter the number of days elapsed since today: 3  ↵Enter
Today is Monday and the future day is Thursday
```

Example #2:

```
Enter today's day: 0  ↵Enter
Enter the number of days elapsed since today: 31  ↵Enter
Today is Sunday and the future day is Wednesday
```

5. Write a program that receives a positive integer and displays on the screen the number of digits it has.
You cannot convert number to string, nor use string functions. Arithmetic operators only.

Example #1
   Input: 253
   Output: 3

Example #2
   Input: 5
   Output: 1