

Homework 02

1.Simple math

- a) Three people ate dinner at a restaurant and want to split the bill. The total is \$35.27, and they want to leave a 15 percent tip. How much should each person pay?
- b) Calculate the area and perimeter of a rectangular room, 12.5 meters by 16.7 meters.
- c) Calculate the area of a circular hall room with the diameter of 50 meters.

2. Convert temperatures

Write a program to convert temperatures from Fahrenheit to Celsius. The formula for that is: $C = 5 / 9 * (F - 32)$. (Hint: Watch out for the integer-division gotcha!)

3. Convert Datatype

编写一段代码，可接收字符串类型的数字输入，如'762957'，输出该数字的二进制表示：
10111010010001001101