1. Write a Python function that determines whether an inputted number (accepted from the user) is even or odd, and prints an appropriate message to the user.

   Example output:

   > Enter an integer number: **5**
   >
   > The number **5** is ODD number.

   > Enter an integer number: **10**
   >
   > The number **10** is EVEN number.

2. Write a Python function that the users input a list of number then input the target element(number) and then the count the number of occurrences in a list. Print the result.

   Example output:

   > Enter elements separated by space: **1 1 1 2 3 4 5**
   >
   > Enter a number in a list: **1**
   >
   > The element **1** appears **3** times in the list.

   > Enter elements separated by space: **1 1 1 2 3 4 5**
   >
   > Enter a number in a list: **6**
   >
   > The element **6** appears **0** times in the list.

3. Write a Python function to sum the three inputted integers. However, if two values are equal (the same value), the sum will be zero.

   Example output:

   > Enter 1st integer number: **1**
   >
   > Enter 2nd integer number: **1**
   >
   > Enter 3rd integer number: **5**
   >
   > **1 1 5 = 0**

   > Enter 1st integer number: **1**
   >
   > Enter 2nd integer number: **5**
   >
   > Enter 3rd integer number: **10**
   >
   > **1 5 10 = 16**

4. Write a Python function to sum two inputted integers. However, if the sum is between 25 to 50 it will return 20.

Example output:

Enter 1st number: **20**
Enter 2nd number: **3**
20 + 3 = 23

Enter 1st number: **25**
Enter 2nd number: **6**
25 + 6 = 20

5. Write a Python function to calculate the two inputted integer. Addition, Subtraction, Multiplication, Division and Modulus.

Example output:

Enter 1st number: **15**
Enter 2nd number: **2**
Addition
15 + 2 = 17
Subtraction
15 – 2 = 13
Division
15 / 2 = 7.5
Modulus
15 % 2 = 1

6. Write a Python function to check if the inputted number is in the given range of 4 to 8.

Example output:

Enter a number: **6**
6 is in the range.

Enter 1st number: **3**
3 is outside of the range.