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.

   sayop

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.
```