1. **Check if the first and last number of a list is the same**

Write a function to return True if the first and last number of a given list is same. If numbers are different then return False.

**Given**:

numbers\_x = [10, 20, 30, 40, 10]

numbers\_y = [75, 65, 35, 75, 30]

**Expected Output**:

Given list: [10, 20, 30, 40, 10]

result is True

numbers\_y = [75, 65, 35, 75, 30]

result is False

### Display numbers divisible by 5 from a list

Iterate the given list of numbers and print only those numbers which are divisible by 5

**Expected Output**:

Given list is [10, 20, 33, 46, 55]

Divisible by 5

10

20

55

### Return the count of a given substring from a string

Write a program to find how many times substring “**Emma**” appears in the given string.

**Given**:

str\_x = "Emma is good developer. Emma is a writer"

**Expected Output**:

Emma appeared 2 times

### Check Palindrome Number

Write a program to check if the given number is a palindrome number.

A palindrome number is a number that is same after reverse. For example 545, is the palindrome numbers

**Expected Output**:

original number 121

Yes. given number is palindrome number

original number 125

No. given number is not palindrome number

### Write a Program to extract each digit from an integer in the reverse order.

For example, If the given int is **7536**, the output shall be “**6 3 5 7**“, with a space separating the digits.