1. **Write a Python function that takes a number as a parameter and checks whether the number is prime or not.** Note: A prime number (or a prime) is a natural number greater than 1 and that has no positive divisors other than 1 and itself.

E.g.: Function to construct: test\_ prime(n)

**Input**: test\_prime(5); **Output**: True

**Input**: test\_prime(4); **Output:** False

1. **Write a Python program to print the even numbers from a given list.**

E.g.:

**Sample List: [1, 2, 3, 4, 5, 6, 7, 8, 9]**

**Expected Result: [2, 4, 6, 8]**

1. **Write a Python function to check whether a string is a pangram or not.** Note: Pangrams are words or sentences containing every letter of the alphabet at least once. E.g.:

**Input: "The quick brown fox jumps over the lazy dog**

**Output**: True

1. **Write a Python program that accepts a hyphen-separated sequence of words as input and prints the words in a hyphen-separated sequence after sorting them alphabetically.** E.g.: **Input**: green-red-yellow-black-white**Output**: black-green-red-white-yellow.
2. **Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.**

E.g.:

**Sample String**: 'CampusX is an Online Mentorship Program fOr EnginEering studentS.'

**Expected Output**:

No. of Upper case characters: 9

No. of Lower case Characters: 47

1. Write a Python function to concatenate any no of dictionaries to create a new one.

**Input**:

dic1= {1:10, 2:20}

dic2= {3:30, 4:40}

dic3= {5:50,6:60}

**Expected Result**: {1: 10, 2: 20, 3: 30, 4: 40, 5: 50, 6: 60}