In this task, we were tasked with solving eight Python programming problems covering various concepts such as input handling, mathematical operations, string manipulation, and logic implementation. The following sections provide a summary of each problem along with our approach and solutions.

## Problem 1:

We implemented a Python program that continuously takes input from the user until -1 is entered. We maintain variables for the largest and smallest numbers encountered so far. Without but -1 in the numbers

used python method min() max()

## Problem2 :

write a program that takes today's date and print tomorrow's date
condition :
that the odd months 31 day and even months 30 days except February 28 days but in the years that divider for 4 became 29 days

## problem 3:

Write a Python program that takes a positive integer as input and calculates its factorial.
Using
Using recursive function to get the fractional

## Problem 4:

takes a sentence as input and reverses the order of words in the sentence.

Using a method in python (reversed_sentence = sentence[::1])

## Problem 5:

Write a Python program that checks if a given word is a palindrome. A palindrome is a word that reads the same backward as forward.
Divide the length of word by 2 and compare the end and the binger

## Problem 6:

takes a positive integer as input and calculates the sum of all even numbers from 1 to that integer.
Used for loop start from 0 to (number +1) and increase by 2

## Problem 7:

Used two function :
1 – def fraction(num)   to calculate the factor number  and put them in a list
   2-  def is_prime(N)     to check if the  factor is  prime

## Problem 8:

Takes a positive integer as input and checks whether it is a perfect number or not. A perfect number is a positive integer that is equal to the sum of its proper divisors, excluding itself.
  Used the factor function to calculate the factors of the number and calculate the summation
And then compare the result with the number