任务 1：

CA-LNXOS / Linux 操作系统和环境

编写一个 Python 函数，接受用户提供的由单词组成的句子，并显示以下内容：

a) 中间词

b) 句子中最长的单词

c) 句子中所有颠倒的单词

您可以从用户输入任何字符串，并执行上述操作。

例如

如果用户输入 "这是我的第一句话"，中间的单词应返回 "我"。 最长的单词应返回 "句子"。 应返回 "句子"。字符串的反向应返回 "sihT si ym tsrif ecnetnes"。

任务 2：

考虑以下情况。您有一份上 "Python "课的学生名单和另一份上 "Web 应用程序 "课的学生名单。请找出同时参加这两门课的学生名单。同时找出在两个班级都不常见的学生名单。

打印出来。您可以从用户输入任意两个字符串列表并执行上述操作，也可以在程序中声明任意两个列表并执行操作。

任务 3：

完成下面的程序大纲。

a. 使用 Perl 进行两个数字的加法运算。您可以使用用户输入的任意两个数字执行上述操作。

b. 编写删除空目录的 Perl 脚本。您可以使用用户输入的任意字符串执行上述操作。

Task 1:

CA‐LNXOS / Linux OS and Environment

Write a Python function that accepts a sentence composed of words from a user and displays the

following:

a) Middle word

b) Longest word in the sentence

c) All the words in sentence reversed

You can take any string as input from a user and perform the above operation.

Example:

If a user enters, “This is my first sentence”, the middle word should return my . The Longest wordshould return “sentence”. And the reverse of the string should return “sihT si ym tsrif ecnetnes”

Task 2:

Consider the following scenario. You have a list of students who are attending class “Python” and another list of students who are attending class “Web Application”. Find the list of students who are attending both classes. Also find the list of students who are not common in both the classes.

Print it. You can take any two lists of string as input from the user and perform the above operation, or you can declare any two lists in the program and perform the operation.

Task 3:

Complete the programs outline below.

a. Addition of two numbers using Perl. You can use any two numbers as input from a user and perform the above operation.

b. Write the Perl script to Remove Empty Directories. You can take any string as input from a user and perform the above operation.