

Assignment – Day 7

1. Given a two strings find the longest common prefix for them

Input1: "flower"

input2: "flow"

Output: "flow".

[Marks: 1]

2. Accept two sequence of number, one for list of distance another for list of time and return a list of speeds for respective distance and time values (use comprehension).

Input:

• 10 20 30 40 50

• 1 5 3 2 4

Output: [10.0, 4.0, 10.0, 20.0, 12.5]

[Marks:

1]

3. Take an input for the 3 sides of a triangle from the user
- check for a valid triangle sides
 - Classify the triangle as "Equilateral", "Right-angled", "Isosceles", "Scalene" (Default). Provided the given sides are valid
 - Provided the triangle is "valid" and "Right angled" print the radius of circumcentre else return -1

[Marks: 3]