#include <stdio.h>

#include <string.h>

#include "my\_lib.h"

int main(void) {

// Declare S1-S3 Buffers

char s1[100], s2[100], s3[100];

// Declare prefix Buffer

char prefix[100];

// Read user input for S1-S3 from terminal

printf("Enter first string: ");

scanf("%99s", s1);

printf("Enter second string: ");

scanf("%99s", s2);

printf("Enter third string: ");

scanf("%99s", s3);

// Returns the length of the shortest string

int shortest;

shortest = get\_shortest(s1, s2, s3);

// Find the longest common prefix. (Check from 0 to shortest if s1==s2==s3)

int i;

for (i = 0; i < shortest; i++) {

if (s1[i] == s2[i] && s1[i] == s3[i]) {

prefix[i] = s1[i];

} else {

break;

}

}

prefix[i] = '\0'; // Null-terminate the prefix

printf("Longest Common Prefix = %s\n", prefix); // Print Solution

return 0; // Exit Program

}