

- 1) Write a program that automatically converts English text to Morse code and vice versa.
- 2) Write a program that finds the longest palindromic substring of a given string. 'karakis', 'baerren', 'kajak', 'inni'.
- 3) Given two strings, write a program that efficiently finds the longest common subsequence. 'karol rolki'
- 4) Given two strings, write a program that outputs the shortest sequence of character insertions and deletions that turn one string into the other.
 - a. INPUT: 'free -> ferie'
 - b. OUTPUT:
 - i. Insert at [1] value 'e': feree
 - ii. Insert at [3] value 'i': feriee.
 - iii. Delete at [5]: ferie
- 5) Write a code that multiplies two matrices together. Dimension validation required.