```
package main
import (
        "fmt"
        "sort"
        "strings"
)
// InArray function checks if elements of array1 are substrings of any element in
array2
func InArray(array1 []string, array2 []string) []string {
        // Initialize an empty slice to store the result
        r := []string{}
        // Create a map to keep track of unique elements
        unique := make(map[string]bool)
        // Iterate over each element in array1
        for _, x := range array1 {
                // For each element in array1, iterate over each element in array2
                for _, y := range array2 {
                        // Check if the element from array1 is a substring of the
element from array2
                        if strings.Contains(y, x) {
                                // If the element is not already in the result
slice, add it
                                if !unique[x] {
                                        r = append(r, x)
                                        // Mark the element as added to ensure
uniqueness
                                        unique[x] = true
                                }
                        }
                }
        }
        // Sort the result slice in lexicographical order
        sort.Strings(r)
        return r
}

func main() {
        // Define the first array of strings
        a1 := []string{"arp", "live", "strong"}

        a2 := []string{"lively", "alive", "harp", "sharp", "armstrong"}

        // Define the first array of strings
        fmt.Println(InArray(a1, a2))

        a3 := []string{"tarp", "mice", "bull"}

        a4 := []string{"lively", "alive", "harp", "sharp", "armstrong"}

        // Define the first array of strings
        fmt.Println(InArray(a3, a4))
}
```