import java.util.HashMap

fun main(args: Array<String>) {

val three = "dorm"

val four = "mordor"

//LOTR reference

println(areAnagrams(three, four))

val five = "tom marvolo riddle"

val six = "iam lord voldemort"

//the famous Harry Potter reference

println(areAnagrams(five, six))

}

private fun areAnagrams(one: String, two: String): Boolean {

val map = HashMap<Char, Int>()

for (c in one.toCharArray())

if (map.containsKey(c))

map[c] = map[c]!! + 1

else

map[c] = 1

for (c in two.toCharArray())

if (!map.containsKey(c))

return false

else {

map[c] = map[c]!! - 1

if (map[c] == 0)

map.remove(c)

}

return map.isEmpty()

}