Scala Excercise(Scala)

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//Task 2
//Given a list of strings -List[String] ("alpha", "gamma", "omega", "zeta",
"beta")
val list str = List("alpha", "gamma", "omega", "zeta", "beta")
println(list str)
List(alpha, gamma, omega, zeta, beta) list str: List[String] = List(alpha, ga
mma, omega, zeta, beta)
//find count of all strings with length 4
println(list str.count(s => s.length ==4))
//convert the list of string to a list of integers, where each string is
mapped to itscorresponding length
val new list = list str.map(s => s.length)
println(new list)
//find count of all strings which contain alphabet 'm'
val count = list str.count(s =>s.contains('m') )
println(count)
//find the count of all strings which start with the alphabet 'a'
val count1 = list str.count(s => s.startsWith("a"))
println(count2)
2 List(5, 5, 5, 4, 4) 2 1 new list: List[Int] = List(5, 5, 5, 4, 4) count: In
t = 2 count1: Int = 1
// Task 3- Create a Scala application to find the GCD of two numbers.
def gcd(a: Int,b: Int): Int = {
       if (b ==0) a else gcd(b, a%b)
    }
gcd(20,15)
gcd: (a: Int, b: Int)Int res12: Int = 5
```