Каріна Зубко 4 варіант

Лаболаторна 12:

object CustomListFunctions extends App {

def lengthList[A](list: List[A]): Int = list.length

def nthList[A](n: Int, list: List[A]): Option[A] = list.lift(n)

def removeNegative(list: List[Int]): List[Int] = list.filter(\_ >= 0)

def fromList[A](list: List[A]): List[A] = list

def toList[A](list: List[A]): List[A] = list

val sampleList = List(1, -2, 3, -4, 5)

println(s"Length of the list: ${lengthList(sampleList)}")

println(s"3rd element of the list: ${nthList(2, sampleList)}")

println(s"List without negative elements: ${removeNegative(sampleList)}")

println(s"From list: ${fromList(sampleList)}")

println(s"To list: ${toList(sampleList)}")

}

