SPOT EXERCISES – 25.4.24
GENERICS

1. Write method called printArray that it takes two additional integer arguments, lowSubscript and highSubscript A call to this method prints only the designated portion of the array. Validate lowSubscript and highSubscript. If either is out of range, the overloaded printArray method should throw an validSubscriptException; otherwise, printArray should return the number of elements printed

    Overload the above method with generic method printArray
    In mainclass invoke both versions of printArray on arrays integerArray, doubleArray and characterArray.

2. Write a program that will read sentences from a text file, placing each sentence in its own instance of ArrayList. (You will create a sentence object by adding words to it one at a time as they are read.) When a sentence has been completely read, add the sentence to another instance of ArrayList. Once you have read the entire file, you will have an instance of ArrayList that contains several instances of ArrayList, one for each sentence read. Now ask the user to enter a sentence number and a word number. Display the word that occurs in the given position. If the sentence number or word number is not valid, provide an appropriate error message