AP Lab Task 4 Fall 19

Question#1

Write a method using java to find common elements from four different arrays.

Efficient code will get you good marks.

Question#2

Write a Java program to check if the sum of all the 10's in the array is exactly 30. Return false if the condition does not satisfy, otherwise true.

Question#3

Write a Java program to remove the duplicate elements of a given array and return the new length of the array.
Sample array: [20, 20, 30, 40, 50, 50, 50]
After removing the duplicate elements the program should return 4 as the new length of the array.

Question#4

Write a Java program to find the length of the longest consecutive elements sequence from a given unsorted array of integers.
Sample array: [49, 1, 3, 200, 2, 4, 70, 5]
The longest consecutive elements sequence is [1, 2, 3, 4, 5], therefore the program will return its length 5.

Question#5

Make a program that takes 2 different inputs from user and writes them to 2 different files.

After writer you are required to read from the file and check it the buffer contains the same values or not

User 1:	User 2:
Case:1 My name is Sam Case:2 I am happy	My name is Steve I am happy

File 1:	File 2:
Write to file Read from File Compare The buffers	Write to file Read from File

Output the Result as "Matching Files" if files are matching. And "No Match Found" vice versa

Question#6

Create your own exception class using the **extends** keyword. Write a constructor for this class that takes a **String** argument and stores it inside the object with a **String** reference. Write a method that prints out the stored **String**. Create a **try-catch** clause to exercise your new exception.

Question#7

Create a class with two methods, **f( )** and **g( )**. In **g( )**, throw an exception of a new type that you define. In **f( )**, call **g( )**, catch its exception and, in the **catch** clause, throw a different exception (of a second type that you define). Test your code in **main( )**.