//Problem 1:

Create a function to print the duplicate in a list of strings

Input:

    List<String> stringList = new ArrayList<String>(Arrays.asList("item1", "item2", "item1"));
    findDuplicate (stringList);

Output:

```
Duplicate element: item1
```

First assignment, testing Java.

//Problem 2:

Create function to check if the string is a palindrome

Input:

    checkPalindrome("asajjasa");

Output:

```
the word is a palindrome
```

//Problem 3:

Create a function that will print
"fizz" if the number is divisible by 3
"buzz" if the number is divisible by 5
"fizzbuzz" if the number is divisible by both and the integer
You can use a for loop for using the first 20 integers.

Input:

    fizzBuzz(20);

Output:

```
0 = fizzbuzz
1 =
2 = |
3 = fizz
4 =
5 = buzz
6 = fizz
7 =
8 =
9 = fizz
10 = buzz
11 =
12 = fizz
13 =
14 =
15 = fizzbuzz
16 =
17 =
18 = fizz
19 =
```

//Problem 4

//Create a function to check if the two strings are Anagrams
//Eg COAT and TACO would me anagrams

Input:
        findAnagram("TACO","COAT");
Output:

```
the words are Anagrams
```

//Problem 5:

//Print a multiplication table from 1 to 10 using multidimensional array output

//   1 2 3 4 5 6 7 8 9 10
// 2 4 6 8 10 12 14 16 18 20
//…

```
0  0  0  0  0  0  0  0  0  0
1  2  3  4  5  6  7  8  9  10
2  4  6  8  10 12 14 16 18 20
3  6  9  12 15 18 21 24 27 30
4  8  12 16 20 24 28 32 36 40
5  10 15 20 25 30 35 40 45 50
6  12 18 24 30 36 42 48 54 60
7  14 21 28 35 42 49 56 63 70
8  16 24 32 40 48 56 64 72 80
9  18 27 36 45 54 63 72 81 90
10 20 30 40 50 60 70 80 90 100
```