```
String Problems PsuedoCodes
                                                                                       FizzBuzz
                                                                                      int c = word.length();
    Breaking string to tokens:
                                                                                           if (word.charAt(0) == 'f' && word.charAt(c - 1) == 'b')
                                                                                             System.out.println("FizzBuzz");
    String[] tokens = s1.split("[\\s!?,._'@]+");
                                                                                             if (word.charAt(0) == 'f')
    print each token using for loop
                                                                                               System.out.println("Fizz");
                                                                                             else if (word.charAt(c - 1) == 'b')
                                                                                               System.out.println("Buzz");
  Integer to Binary
                                                                                               System.out.println(word);
  String output = String.format("%8s", Integer.toBinaryString(num)).replace('', '0');
                                                                                          }
  in python: f"{num:08b}
                  Multiply strings based on n Characters
                  FUNCTION multiply(str, n)
                    rep = str.substring(length(str) - n)
                    result = ""
                    FOR i FROM 0 TO n - 1 DO
                      result = result + rep
                    END FOR
                    RETURN result
                  END FUNCTION
                  FUNCTION main()
                    input = scan.nextLine()
                    TRY
                      parts = input.split(" ")
                      str = parts[0] + " " + parts[1]
                      num = INTEGER PARSE(parts[2])
                      PRINT multiply(str, num)
                    CATCH Exception e
                      PRINT "Error: Input should have exactly 2 strings separated by a space"
                    END TRY
                  END FUNCTION
                                                                                                SUM OF DIGITS IN THE STRING:
  NEW STRING FROM CHARACTER ARRAY
                                                                                                FUNCTION sumOfDigits(stng)
                                                                                                  I = LENGTH(stng)
  FUNCTION main()
                                                                                                  sum = 0
    n = scanner.nextInt()
                                                                                                  FOR i FROM 0 TO I - 1 DO
    CREATE array a of size n
                                                                                                    IF CHARACTER_IS_DIGIT(stng[i]) THEN
                                                                                                      tmp = SUBSTRING(stng, i, i + 1)
    FOR i FROM 0 TO n - 1 DO
                                                                                                      sum = sum + INTEGER_PARSE(tmp)
      a[i] = scanner.next().charAt(0)
                                                                                                    END IF
    END FOR
                                                                                                  END FOR
      // Read the index and length for the substring
                                                                                                  RETURN sum
      index = scanner.nextInt()
                                                                                                END FUNCTION
      length = scanner.nextInt()
```

PRINT "New String: " + str

// Extract the substring from the character array str = String.copyValueOf(a, index, length)

```
REMOVE T FROM THE GIVEN STRING EXCEPT FIRST AND LAST POSITION
FUNCTION remove(s)
 result = "
 I = LENGTH(s)
 FOR I FROM 0 TO I DO
    temp = s.CHAR\_AT(I)
   IF (i > 0 AND i < I - 1 AND (temp == 't' OR temp == 'T')) ==FALSE)
      result = result + temp
   END IF
  END FOR
 RETURN result
END FUNCTION
  TWIN CHARACTERS
  FUNCTION appeartwice(s, c)
    // Find the index of the first occurrence of character c in the string s
    i = INDEX_OF(s, c)
    IF i == -1 THEN
     RETURN false
    END IF
    // If the character is at the last index, it cannot be consecutive
    IF i + 1 >= LENGTH(s) THEN
      RETURN false
    END IF
    RETURN s.substring(i + 1, i + 2).equals(String.valueOf(c));
  END FUNCTION
  FUNCTION main()
    str1 = scan.nextLine().trim()
    c = scan.next().charAt(0)
    IF s.appeartwice(str1, c) THEN
      PRINT "The given character "" + c + "' appears consecutively in the string "" + str1 + """
    ELSE
      PRINT "No consecutive character present"
    END IF
  END FUNCTION
                                                                           REVERSE ODD LENGTH WORDS
                                                                           public static String test(String str)
                                                                             String[] words = str.split(" ");
                                                                             for (int i = 0; i < words.length; i++)
                                                                             {
                                                                              if (words[i].length() % 2 != 0)
                                                                               StringBuilder rev = new StringBuilder(words[i]);
                                                                               words[i] = rev.reverse().toString();
                                                                              }
                                                                             return String.join(" ", words);
```

Use Arrays.sort(a,start,end);

Partial Array Sorting

```
Remove words from text
```

String result = text.replace(word, ""); //use replace

Repeated Characters:

```
public static int morethantwice(String t) {
    int c = 0;
    while (t.length() > 0) {
        if (t.length() - t.replaceAll(t.charAt(0)+"", "").length() > 2) //charAt(0)+"" is to convert each character to string since, replaceAll works
with only strings
    {
            c++;
        }
        t = t.replaceAll(t.charAt(0) + "", "");
    }
    return c;
}
```

if input is: abaa: first character is a, after replacing all a string becomes b. original length is 4-1=3, which means a is appearing more than twice.

Check for second in first

```
public static boolean test(String first, String second) {
    if (second.length() > first.length())
        return false;
    if (second.isEmpty())
        return false;
    for (int i = 0; i < second.length(); i++) {
        if (!first.contains(String.valueOf(second.charAt(i))))
        return false;
    }
    return true;
}</pre>
```