

6th assignment

ArrayList

Self-assessment: 80 ทำงานด้วยตนเอง แก้ไขปัญหาด้วยตนเองได้ แต่บางครั้งยังต้องขอคำแนะนำจากผู้อื่น

What I've learned:

- 1) ArrayList class – Index, add, remove duplicate, iterate through ArrayList
- 2) Read csv file in Java
- 3) Display Thai in NetBeans IDE

Static Methods:

```
static List<DNode> readUTF8(String path) {...40 lines }  
  
static int removeDuplicates(List<DNode> sortedList) {...17 lines }  
  
public static void printMostRepeating(List<DNode> dict) {...10 lines }  
  
static void printData(List<DNode> list, int startPos, int endPos) {...11 lines }  
  
static void findWords(List<DNode> list, String key) {...30 lines }  
  
public static void main(String[] args) {...44 lines }
```

readUTF8 – read csv file encoded in UTF8 using the input path

removeDuplicates – remove duplicate element from the list

printMostRepeating – Print out word that has the most meaning

printData – print out all word from the starting index to the end index

findWords – search the list using the input word

DNode class:

```
public class DNode implements Comparable<DNode>{  
  
    private final String word;  
    private final String meaning;  
    private final String type;  
  
    public DNode(String buff) {...9 lines }  
  
    @Override  
    public int compareTo(DNode x) {...4 lines }  
  
    public boolean compareAll(DNode x) {...10 lines }  
  
    public String getWord() {...4 lines }  
  
    public String getMeaning() {...4 lines }  
  
    public String getType() {...4 lines }
```

Getters – return the appropriate field