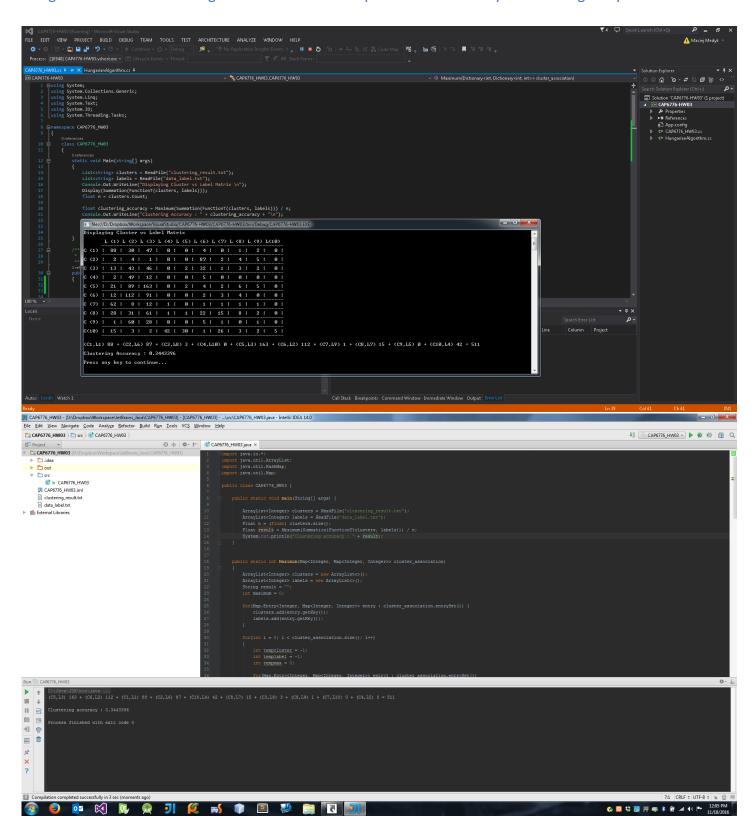
Maciej Medyk - CAP6776 - Information Retrieval - Homework 03

Report - [10.00pt] - Calculate Clustering Accuracy for Provided Data Sets

Clustering Accuracy running result is 0.3443396 or 34.434% in both C Sharp and Java applications
I implemented C Sharp program using Hungarian Algorithm while in Java program I used greedy algorithm.
Hungarian is more reliable algorithm as it results in optimal solution every time while greedy is less reliable.



```
parsedKey = int.Parse(entry.Key)
```

```
string result = "";
    string margin = "";
    for (int i = 0; i < rmargin; i++) margin += " ";
    input = input + margin;
    int size = input.Length;
    for (int i = 0; i < total - size; i++) result += " ";
    return result + input;
    }
}</pre>
```

```
(matrix[i, j] - clusters[i] < minColumn) minColumn = matrix[i, j] - clusters[i];</pre>
```

Addendum - Program Code Using Java using Greedy Algorithm - Program Zipped Code Included on BlackBoard

```
templabel
```