

CSE222 / BİL505
Data Structures and Algorithms
Homework #8 – Report

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In this homework I gained a deeper understanding of BFS algorithm and how to use this algorithm to count the clusters.

I use bubble sort algorithm to sort the suggested peoples by their scores.

Working with timestamps made the homework a bit challenging, but I handled it.

I solve the make every person unique challenge by assigning name + timestamp to key value of people hashmap.

```
Map<String, Person> people = new HashMap<>();  
  
Person person = new Person(name, age, hobbies);  
people.put(name + person.getFormattedTimestamp(), person);
```

For demonstration purposes I created a test person with a timestamp matching the others.

```
Person test = new Person("test", 10, Arrays.asList("reading", "cooking"));  
  
network.addFriendship("Omer Akkuzu", test.getFormattedTimestamp(), "Emre Kadioglu", test.getFormattedTimestamp());
```