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CS 671 - Advanced Artificial Intelligence
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2/6/2012
Design Document and Sample Run

Run example on empress:

```
[nejat001@empress assignment1]$ javac Intersection.java
[nejat001@empress assignment1]$ java Intersection
The program will be looking for dictpost1 and dictpost2, if not found throws exception
Parsing was successful and the results are :
Term:Romeo
Romeo Appears in postingID : 4
Romeo Appears in postingID : 7
Romeo Appears in postingID : 9
Romeo Appears in postingID : 19
Term:Juliet
Juliet Appears in postingID : 7
Juliet Appears in postingID : 10
Juliet Appears in postingID : 15
Juliet Appears in postingID : 23
Juliet Appears in postingID : 85
Juliet Appears in postingID : 97
Term:Italy
Italy Appears in postingID : 2
Italy Appears in postingID : 3
Italy Appears in postingID : 4
Italy Appears in postingID : 5
Italy Appears in postingID : 6
Italy Appears in postingID : 7
Italy Appears in postingID : 10
Italy Appears in postingID : 12
Italy Appears in postingID : 14
Italy Appears in postingID : 17
Italy Appears in postingID : 21
Italy Appears in postingID : 23
Italy Appears in postingID : 55
Italy Appears in postingID : 80
Italy Appears in postingID : 85
Italy Appears in postingID : 100
Parsing was successful and the results are :
Term:Italy
Italy Appears in postingID : 2
Italy Appears in postingID : 4
Italy Appears in postingID : 6
Italy Appears in postingID : 8
Italy Appears in postingID : 9
Italy Appears in postingID : 15
Italy Appears in postingID : 20
Term:Verona
Verona Appears in postingID : 4
Verona Appears in postingID : 5
Verona Appears in postingID : 7
Verona Appears in postingID : 9
Verona Appears in postingID : 11
Verona Appears in postingID : 29
Verona Appears in postingID : 117
```

Term:Milan

Milan Appears in postingID : 2

Milan Appears in postingID : 4

Milan Appears in postingID : 7

Milan Appears in postingID : 9

Milan Appears in postingID : 8

Milan Appears in postingID : 19

Milan Appears in postingID : 21

Milan Appears in postingID : 156

The Intersect of Postings for the first file is [7]

The Intersect of Postings for the second file is [4, 9]

The Intersect of these two is []