

HW # 1 (Information Retrieval course) spring 2025

Complete the given project that builds an inverted index for the text files in a given directory and accept a number of keywords in a query and return the files that contain all keywords using the inverted index.

You will need to complete the following:

1- The intersect method in the index5 class

```
Posting intersect(Posting pL1, Posting pL2)
```

2- The buildIndex method in the index5 class

```
public void buildIndex(String[] files) {
```

3- The main function in the Test.java file

```
public static void main(String args[]) throws IOException {
```

4- Get rid of the last comma in the posting list in: public void printPostingList(Posting p)

5- Comment all methods of the index5.java