

```

/**
 * @Author: Shivam Patel
 * @Andrew_ID: shpatel
 * @Course: 95-771 Data Structures and Algorithms for Information
Processing
 * @Project_Number: Project 3
 */

```

input1.txt

```

Smith,Al 2 mat100 che080
Jones,Sue 2 eng040 mat100
Bell,Amy 2 eng050 gym000
Gingrich,Fred 3 gym000 his098 eng040

```

input2.txt

```

Jones,Andy 3 ENG100 PSY050 MAT220
Hein,Peter 4 MAT010 CHM230 CSC401 HST080
Miller,Kyle 5 MAT010 CHM230 HST080 ECN110 PHY100
Williams,Ann 5 MAT010 ENG100 PSY050 CSC401 HST080
Kim,Jenny 3 ENG100 CHM230 HST080
Carter,Herb 5 PSY050 CHM230 CSC401 ENG100 PHY100
Popov,Dimitri 2 PSY050 PHY100
Smith,Kellie 3 PSY050 HST080 ECN110

```

result.txt

```

shpatel
011000
100000
100011
000010
001101
001010

Final Exam Period 1 => mat100 eng050 his098
Final Exam Period 2 => che080 eng040
Final Exam Period 3 => gym000

011111101
101111111
110000000
110011111
110101111
110110101
110111011
010110101
110111110

Final Exam Period 1 => ENG100 ECN110
Final Exam Period 2 => PSY050
Final Exam Period 3 => MAT220 MAT010
Final Exam Period 4 => CHM230
Final Exam Period 5 => CSC401
Final Exam Period 6 => HST080
Final Exam Period 7 => PHY100

```

**Note:** All input files are placed in the src/ folder. The input files are added in the input\_files[] String array in the Main.java file. A screenshot of the Main.java is shown below, where the input files are “input1.txt” and “input2.txt”.

```
public static void main(String[] args) {  
  
    // All input files are in the "src/" folder  
    String[] input_files = new String[] {"input1.txt", "input2.txt"};  
  
    // For all input files  
    for (int a = 0; a < input_files.length; a++){
```