

HW 1

- ▶ Please implement a association rule mining algorithm in any programming language
- ▶ Given a input DB, you should mine strong association rules from the input DB with user-defined **min_supp** and **min_conf**
- ▶ In your program, do not only show the results on the screen. Please output results in a output file
- ▶ Please upload your **code**, **executable file**, and **output result**

Input DB format

- ▶ The input DB format is following
 - Each line is a transaction
 - Each number is a item
 - There are many items in a transaction
- ▶ Example transaction
 - 39 73 74 75 76 77 78 79

Output file format

- ▶ Please output the strong association rules

- $\{B, E\} \rightarrow C$ (2/3)

- $C \rightarrow A$ (2/3)

- $A \rightarrow C$ (2/2)

Rule

confidence