

Texel Student exercise #1

Given the example input:

"A">"B"
"A">"F"
"B">"dd"
"c"<"L"
etc....

which is a finite set of relationships.

"immediate" relationships are explictely defined in the input. deduced relationships, can be calculated when processing the entire feature

- Please describe what is the data structure or structures you would use or create that would support a program that given an item identity, would answer which immediate item/s are bigger and which immediate items are smaller.
 E.g. for the above example if "A" is given, that B and F are smaller, and no one is bigger.
- 2. Can there be an input which would not make sense? If there is such an input how would you check for it?
- 3. That would Write several test cases: inputs an expected output/s
- 4. Write a program in either java/python/c#/c++ that reads the relationship from a file and output to the console the items all the items satisfying partial order.
- 5. Write several test cases, inputs and expected output/s. please thing about "positive" testing test that should pass, and "negative" tests tests that should break.

Notes:

When implementing, think about the order of complexity in your implementation on insert of new data, and also the explicit functionality requested.