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Nanyang Technological University

**CZ3005 AI**

LAB GROUP TS9

**LAB 2 REPORT**

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# Exercise 1:

**Qn 1:**

**Text, letter

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**Qn 2:**

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**Qn 3: Show stevey is unethical.**

**Result: True**

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# Exercise 2:

**Qn 1:**

**Relations and rules:**

**Text

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**Text

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**Result: [charles, andrew, edward, ann]**

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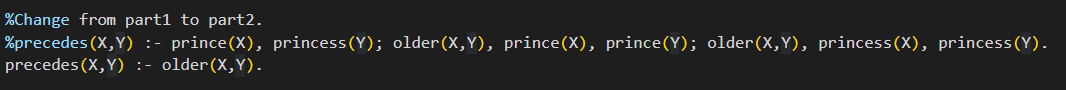
**Text

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**Qn 2:**

**Result: [charles, ann, andrew, edward]**

To achieve the result below we only changed one line of code. The line is:

****

We just had to change the rule used by the sorting which is our precedence of X and Y. Since gender is no longer considered, our precedence of variables would just solely be based on age. Hence, we changed our precedence to be reliant on which variable is older.

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We decided to use insertion sort as the trace is shorter. However, we did also try quick sort on both Qn 1 and Qn 2. The trace is stored in a text file due to its length however, the results are consistent with the ones we got above.