

**University of Waterloo**  
**CS240 Spring 2021**  
**A1 Programming Question Example**

**Due Date: Wednesday, June 2 at 5:00pm**

**Notes:**

1. All inputs will start with the r operation.
2. All programs will terminate with the x operation.
3. All program inputs will be valid.

The following set of operations:

```
r
i 1 7
i 2 8
i 3 9
l 1
l 2
l 3
i 1 6
i 1 6
i 1 7
d 1
d 1
l 1
d 1
d 1
d 1
d 1
d 2
r
l 3
i 3 2
l 3
x
```

prints the following to stdout:

```
7 1
8 2
9 3
7 1
7 6
```

6 4  
6 4  
6 5  
8 2  
2 7