

# COMP9315 14s2 ... Q4

(a)

(i) No

(ii)  $979+1 = 980$

(iii) one uses an index, the other uses linear scan of table

(iv) the first query (using the index) is more efficient

(b)

(i)

Determine how many assessmnt items are in each course.

Put the courses with most assessment items first.

(ii)

No. It uses an in-memory quicksort.

(c)

(i) 3

(ii)

```
select s.id,s.family,e.mark,e.grade
from   Students s join Enrolments e on (e.student=s.id)
      join Courses c on (e.course=c.id)
where  c.code = 'SOMA1641' and e.grade = 'FL'
```