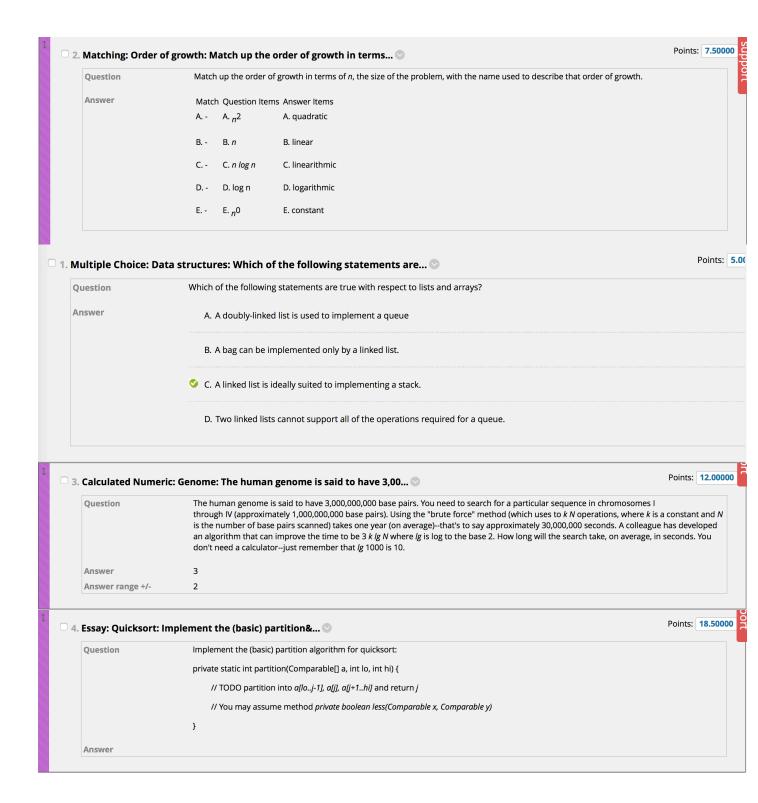
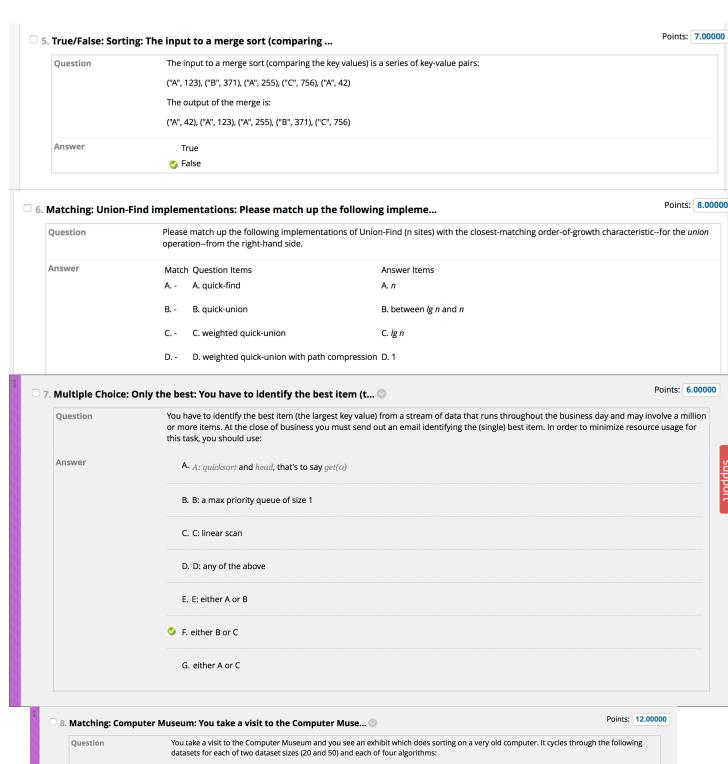
INFO6205 Mid-term exam — sample questions





- 1. random
- 2. partially sorted
- 3. reverse-sorted
- 4. multi-key

With your smart phone, you time the various sorts to try to identify the algorithms from among insertion sort, selection sort, merge sort and quick sort.

Here are the timings:

	20 R	20 S	20 Rv	20 multi	50 R	50 S	50 Rv	50 multi
A	7.04	1.98	10.01	4.68	29.58	6.1	61.46	36.45
В	10.72	10.74	10.73	10.76	65.13	65.12	65.11	65.14
С	4.63	4.65	4.66	4.64	14.99	15.00	14.97	15.01
D	4.52	4.51	4.53	6.72	13.67	13.69	13.68	32.66

Answer

Match Question Items Answer Items

- A. A. Algorithm A A. Insertion sort
- B. B. Algorithm B B. Selection sort
- C. C. Algorithm C C. Merge sort
- D. D. Algorithm D D. Quick sort