

Software Design and Development 2003 :

Multiple Choice Question 19

Question 19

The following shows the arrangement of elements in an array after successive passes of a sorting algorithm.

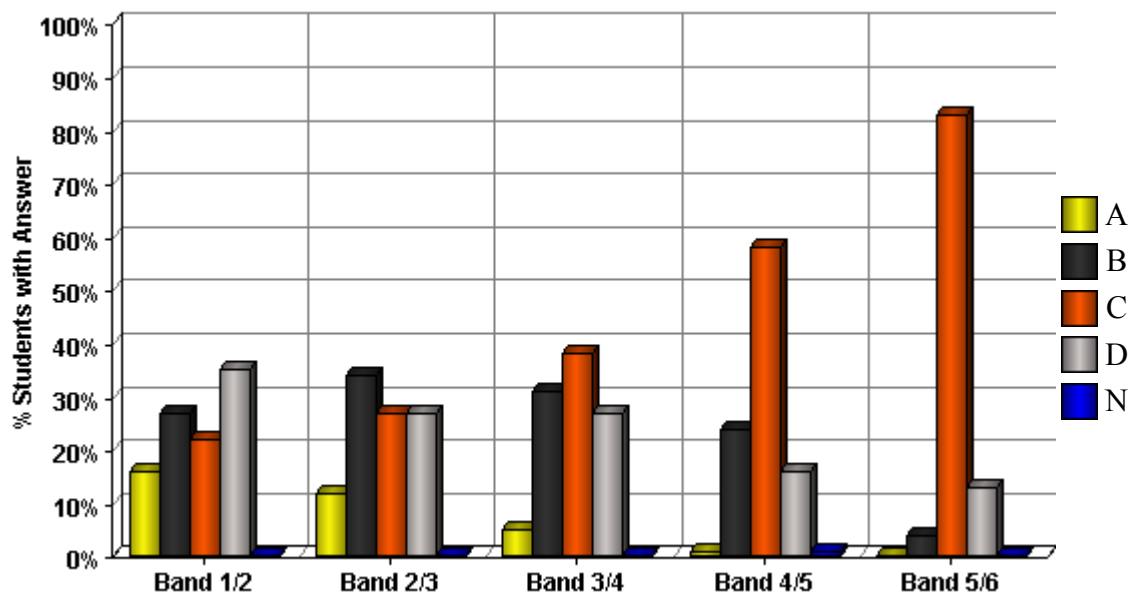
Apple	Orange	Banana	Cherry	Grape
Apple	Orange	Banana	Grape	Cherry
Apple	Orange	Grape	Cherry	Banana
Apple	Orange	Grape	Cherry	Banana
Orange	Grape	Cherry	Banana	Apple

What type of sort algorithm has been used to arrange the elements of the array into ascending alphabetical order?

- A Binary
- B Bubble
- C Insertion
- D Selection

HSC Statistics on this Question:

This question appeared as Question 19 in HSC Examination 2003



Band 1/2 Band 2/3 Band 3/4 Band 4/5 Band 5/6

A	16%	12%	5%	1%	0%
B	27%	34%	31%	24%	4%
C	22%	27%	38%	58%	83%
D	35%	27%	27%	16%	13%
N	0%	0%	0%	1%	0%

The table and graph show, for the groups of students whose marks in the examination corresponded to the borderline between two bands, what percentages of each group selected the responses A, B, C and D. N is used to identify: No valid response.