

Software Design and Development 2003 :

Multiple Choice Question 9

Question 9

Consider the following fragment of pseudocode.

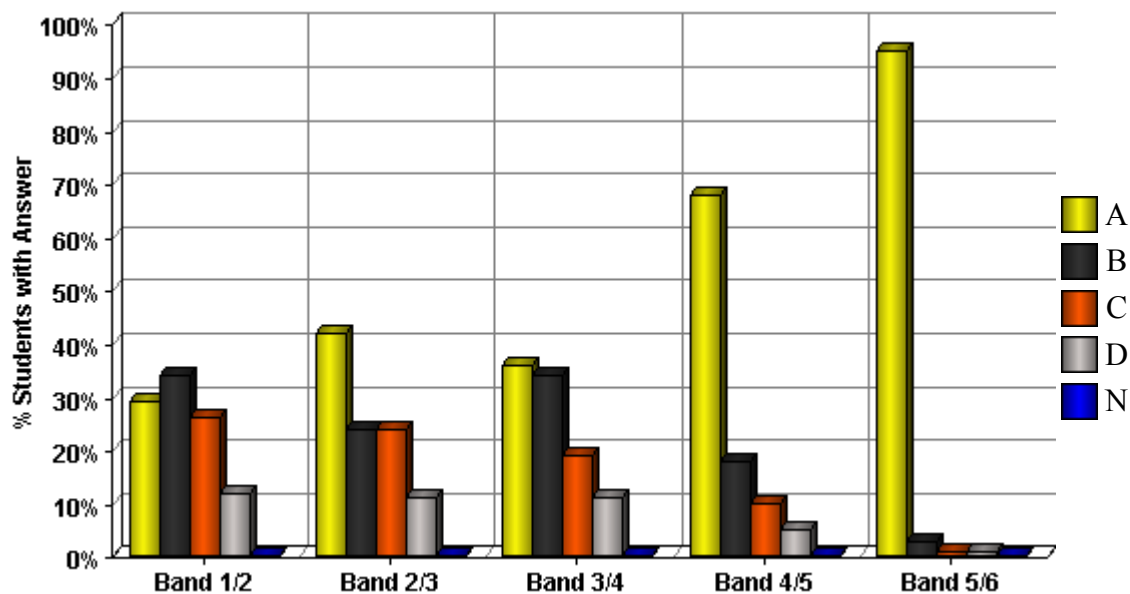
```
Index = 1
Highest = Array[Index]
WHILE Index <= ArraySize
    IF Array[Index] > Highest then
        Highest = Array[Index]
    ENDIF
    Increment Index
ENDWHILE
```

What is the purpose of this algorithm?

- A To find the largest number in an array
- B To find the position of the largest number in an array
- C To sort an array of integers in ascending order
- D To sort an array of integers in descending order

HSC Statistics on this Question:

This question appeared as Question 9 in HSC Examination 2003



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

A	29%	42%	36%	68%	95%
B	34%	24%	34%	18%	3%
C	26%	24%	19%	10%	1%
D	12%	11%	11%	5%	1%
N	0%	0%	0%	0%	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.