AP CSP · UNIT 6 ALGORITHMS

Feedback Comment Bank

Write the **code** on the paper, or paste the full comment into your LMS. Every comment ends with the fix.

Search (S)

Code	Comment
S1	You applied binary search to an unsorted list — it only works when the data is already sorted. Note that requirement.
S2	Linear isn't simply 'worse' — it needs no sorting and works on any list. Frame it as a trade-off.

Efficiency (E)

Code	Comment
E1	'Reasonable time' is about how steps grow with input size, not how fast it feels on one computer. Connect it to input growth.

Algorithm design (A)

Code	Comment
A1	Your pseudocode is missing a case — walk an input through it and you'll find the gap.
A2	Steps are out of order (selection before the value exists). Sequence matters — reorder.

Positive (G)

Code	Comment
G1	Great comparison — tying binary search to a real, sorted dataset showed you understand the precondition.
G2	Clear midpoint-by-midpoint binary search trace. That's AP-exam ready.