==== Relaxation History ====

Node(A) with Weight: 0 is added to the 'Visited' {'A'}
  Relaxed: vertex[B]: OLD: Infinity, NEW: 4, Paths: {'B': 'A'}
  Relaxed: vertex[C]: OLD: Infinity, NEW: 2, Paths: {'B': 'A', 'C': 'A'}

Node(C) with Weight: 2 is added to the 'Visited' {'A', 'C', 'B'}
  Relaxed: vertex[D]: OLD: Infinity, NEW: 6, Paths: {'B': 'A', 'C': 'A', 'D': 'C'}
  Relaxed: vertex[E]: OLD: Infinity, NEW: 7, Paths: {'B': 'A', 'C': 'A', 'D': 'C', 'E': 'C'}

Node(B) with Weight: 4 is added to the 'Visited' {'A', 'C', 'E', 'B', 'D'}
  No edge relaxation is needed for node, C
  No edge relaxation is needed for node, D

Node(D) with Weight: 6 is added to the 'Visited' {'A', 'C', 'E', 'B', 'D'}
  No unvisited outgoing edge from the node, D

Node(E) with Weight: 7 is added to the 'Visited' {'A', 'C', 'E', 'B', 'D'}
  No edge relaxation is needed for node, D

==== Final Results ====
Distances: {'A': 0, 'B': 4, 'C': 2, 'D': 6, 'E': 7}
Paths: {'B': 'A', 'C': 'A', 'D': 'C', 'E': 'C'}