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Test No.	Test Scenario	Test Inputs Array A	Test Inputs Array B	Expected Output: (Merged Array)	Reasoning/Explanation
1	Array A is empty	{}	{2,3,6,8}	{2,3,6,8}	A is empty but program still runs and returns just array B
2	Array B is empty	{1,3,4,5,8,9}	{}	{1,3,4,5,8,9}	B is empty but program runs and returns just array A
3	Both arrays empty	{}	{}	{}	Empty array returned
4	Negative numbers in A	{-2,0,3,4}	{1,4,5,8}	{-2,0,1,3,4,4,5,8}	Merged array contains the negative numbers in their appropriate position
5	Negative numbers in B	{0,3,4,8}	{-3,-1,0,1}	{-3,-1,0,0,1,3,4,8}	Again, merged array contains the negative numbers in appropriate positions
6	Array A longer than Array B	{1,4,5,7,7,8}	{2,3}	{1,2,3,4,5,7,7,8}	Merged array contains all elements (if all array B elements are inserted, rest of the elements of A are filled in)
7	Array B longer than Array A	{1,5,6}	{2,3,4,8,9}	{1,2,3,4,5,6,8,9}	Merged array contains all elements (if all array A elements are inserted, rest of the elements of B are filled in)
8	Array A in descending order	{4,3,1}	{1,5,6}	{1,4,3,1,5,6}	Program runs but output doesn't have sorted merged array. Both input arrays are expected in sorted order.
9	Array B in descending order	{1,3,5,7}	{8,5,4,3}	{1,3,5,7,8,5,4,3}	Program runs but output doesn't have sorted merged array. Both input arrays are expected in sorted order.
10	Both A and B in descending order	{5,4,3}	{8,4,2,1}	{5,4,3,8,4,2,1}	Program runs but output doesn't have sorted merged array. Both input arrays are expected in sorted order.
11	A in arbitrary order	{1,3,8,5,2}	{4,6}	{1,3,4,6,8,5,2}	Program runs but output doesn't have sorted merged array. Again, Both input arrays are expected in sorted order