```
Buggy Code
                                                                                            (3) Correct Code
    Docstring:
                                       def minOperationsToMakeMedianK(self, nums:
                                                                                            def minOperationsToMakeMedianK(self, nums:
 You are given an integer
                                                                                            List[int], k: int) -> int:
                                       List[int], k: int) -> int:
 array nums and a non-
                                           nums.sort()
                                                                                                nums.sort()
                                                                                                n = len(nums)
                                           n = len(nums)
 negative integer k. In one
                                           median = nums[n // 2] if n % 2 else (nums[n //
                                                                                                median = nums[n // 2] if n % 2 else (nums[n //
 operation, you can increase or
                                                                                            2 - 1] + nums[n // 2]) / 2
                                       2 - 1] + nums[n // 2]) / 2
                                                                                                operations = 0
                                           operations = 0
 decrease any element by 1.Return
                                          for i in range(n // 2 + 1)
                                                                                                for i in range(n // 2 + 1):
                                                                              Miss a colon (:)
 the minimum number of
                                              if nums[i] > k:
                                                                                                    if nums[i] > k:
                                                                                                        operations += nums[i] - k
                                                  operations += nums[i] - k
 operations needed to make
                                                                                                       nums[i] = k
                                                  nums[i] = k
 the median of nums equal to k.
                                                                                                for i in range(n // 2, n):
                                           for i in range(n // 2, n):
                                                                                                    if nums[i] < k:</pre>
                                              if nums[i] < k:</pre>
                                                                                                        operations += k + nums[i + 1]
                                                  operations += k + nums[i + 1]
                                                  nums[i] = k
                                                                                                       nums[i] = k
                                                                                                return operations
                                           return operations
                                   BUG Identification
                                                                                  Code Repair
      BUG Localization
                                                                                                               Code Recognition
                                   Please select the error type of the
Please select the incorrect code
                                                                        Your task is to fix up the buggy
                                                                                                            Given an error code and a correct
fragment from following
                                   buggy code from the options
                                                                        code and provide the correct
                                                                                                            code, select the error code from
                                   below:
options:
                                                                       solution:
                                                                                                            two codes:
A. nums.sort()
                                   A. Syntax Error
                                                                        Answer:
                                                                                                            A. {Buggy Code}
B. for i in range(n // 2 + 1)
                                   B. Reference Error
                                                                                                            B. {Correct Code} <
                                                                          operations = 0
C. operations += nums[i] - k
                                   C. Logical Error
                                                                          for i in range(n // 2 + 1):
                                   D. Multiple Errors
D. operations += k + nums[i + 1]
                                                                               if nums[i] > k:
```

Answer: A

Answer: B

Answer: A