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## Codes

```
# Python3 program to find minimum
# difference in an unsorted array.

# Returns minimum difference between
# any two pair in arr[0..n-1]
def printMinDiffPairs(arr, n):
    if n <= 1: return
    # Sorting array elements
    arr.sort()
    # Compare differences of adjacent
    # pairs finding the minimum difference.
    minDiff = arr[1] - arr[0]
    for i in range(2, n):
        minDiff = min(minDiff, arr[i] - arr[i - 1])
    # Traverse array again and print all
    # pairs with difference as minDiff.
    for i in range(1, n):
        if (arr[i] - arr[i - 1]) == minDiff:
            print("(" + str(arr[i - 1]) + ", "
                  + str(arr[i]) + ")", ", ", end='')

# Driver code
arr = [5, 3, 2, 4, 1]
n = len(arr)
printMinDiffPairs(arr, n)
```