Problem 5: Given **two sorted arrays** arr1 and arr2 of size m and nrespectively, return the **median** of the two sorted arrays.

```
def findMedianSortedArrays(arr1, arr2):
  merged = []
  i, j = 0, 0
  while i < len(arr1) and j < len(arr2):
    if arr1[i] <= arr2[j]:
      merged.append(arr1[i])
      i += 1
    else:
      merged.append(arr2[j])
      j += 1
  while i < len(arr1):
    merged.append(arr1[i])
    i += 1
  while j < len(arr2):
    merged.append(arr2[j])
    i += 1
  length = len(merged)
  if length \% 2 == 0:
    mid1 = length // 2
    mid2 = mid1 - 1
    median = (merged[mid1] + merged[mid2]) / 2
  else:
```

```
mid = (length - 1) // 2
median = merged[mid]
```

return median

median = findMedianSortedArrays(arr1, arr2)

print(median)

