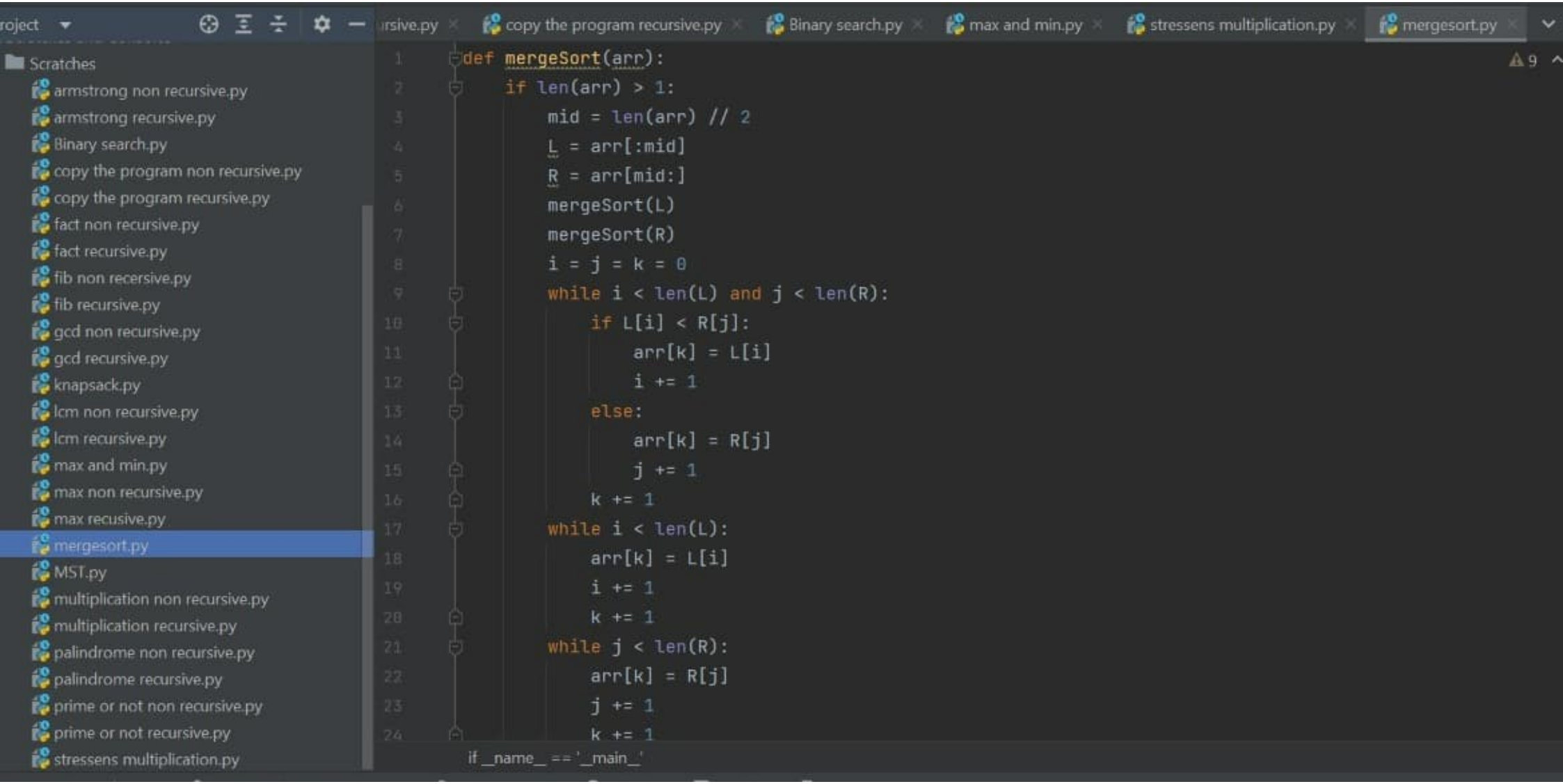
roject
rsive.py
copy the program recursive.py
Binary search.py
max and min.py
stressens multiplication.py
mergesort.py
Scratches
armstrong non recursive.py
armstrong recursive.py
Binary search.py
copy the program non recursive.py
copy the program recursive.py
fact non recursive.py
fact recursive.py
fib non recersive.py
fib recursive.py
gcd non recursive.py
gcd recursive.py
knapsack.py
lcm non recursive.py
lcm recursive.py
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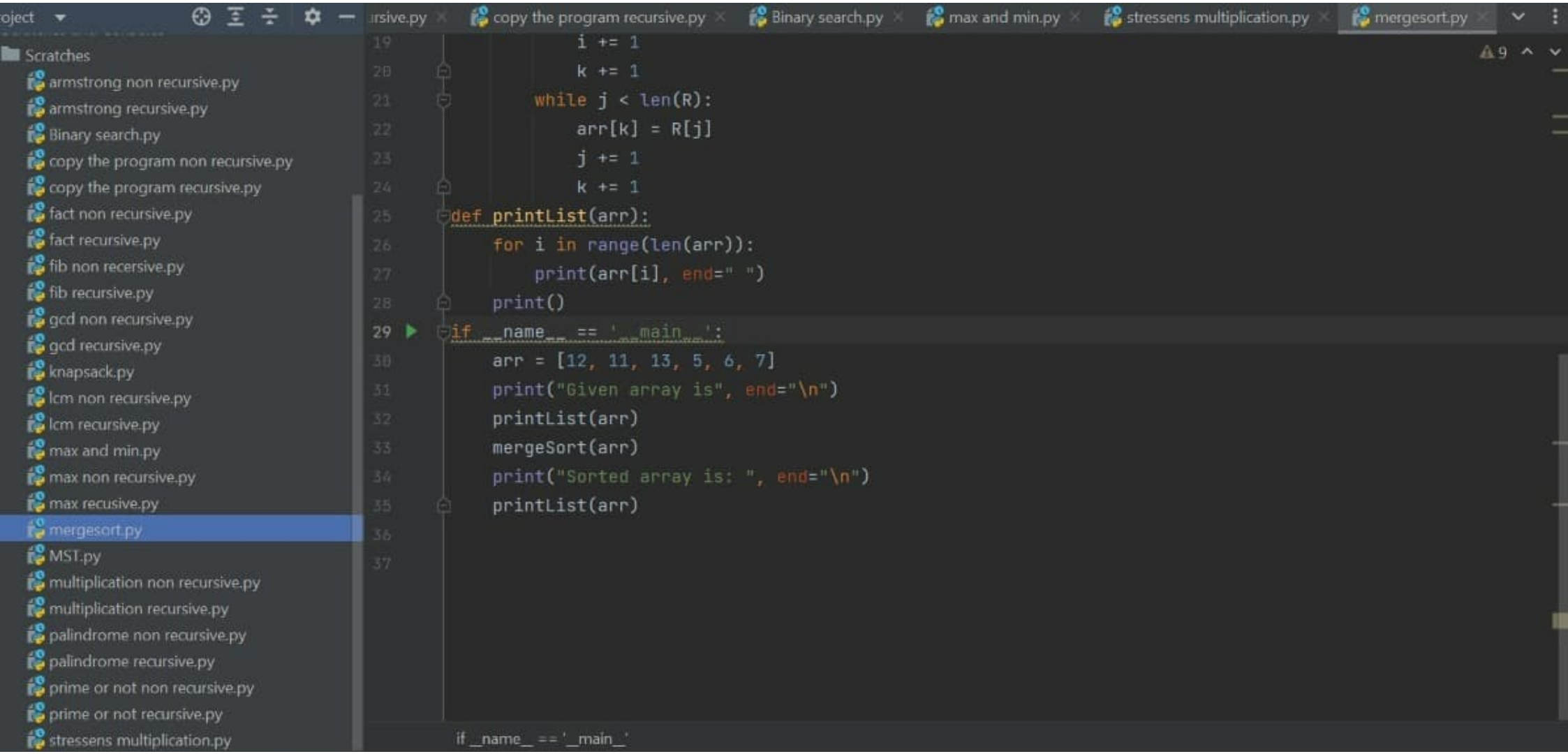
MST.py
multiplication non recursive.py
multiplication recursive.py
palindrome non recursive.py
palindrome recursive.py
prime or not non recursive.py
prime or not recursive.py
stressens multiplication.py
def mergeSort(arr):
if len(arr) > 1:
mid = len(arr) // 2
L = arr[:mid]
R = arr[mid:]
mergeSort(L)
mergeSort(R)
i = j = k = 0
while i < len(L) and j < len(R):
if L[i] < R[j]:
arr[k] = L[i]
i += 1
else:
arr[k] = R[j]
j += 1
k += 1
while i < len(L):
arr[k] = L[i]
i += 1
k += 1
while j < len(R):
arr[k] = R[j]
j += 1
k += 1
9
if __name__ == '__main__'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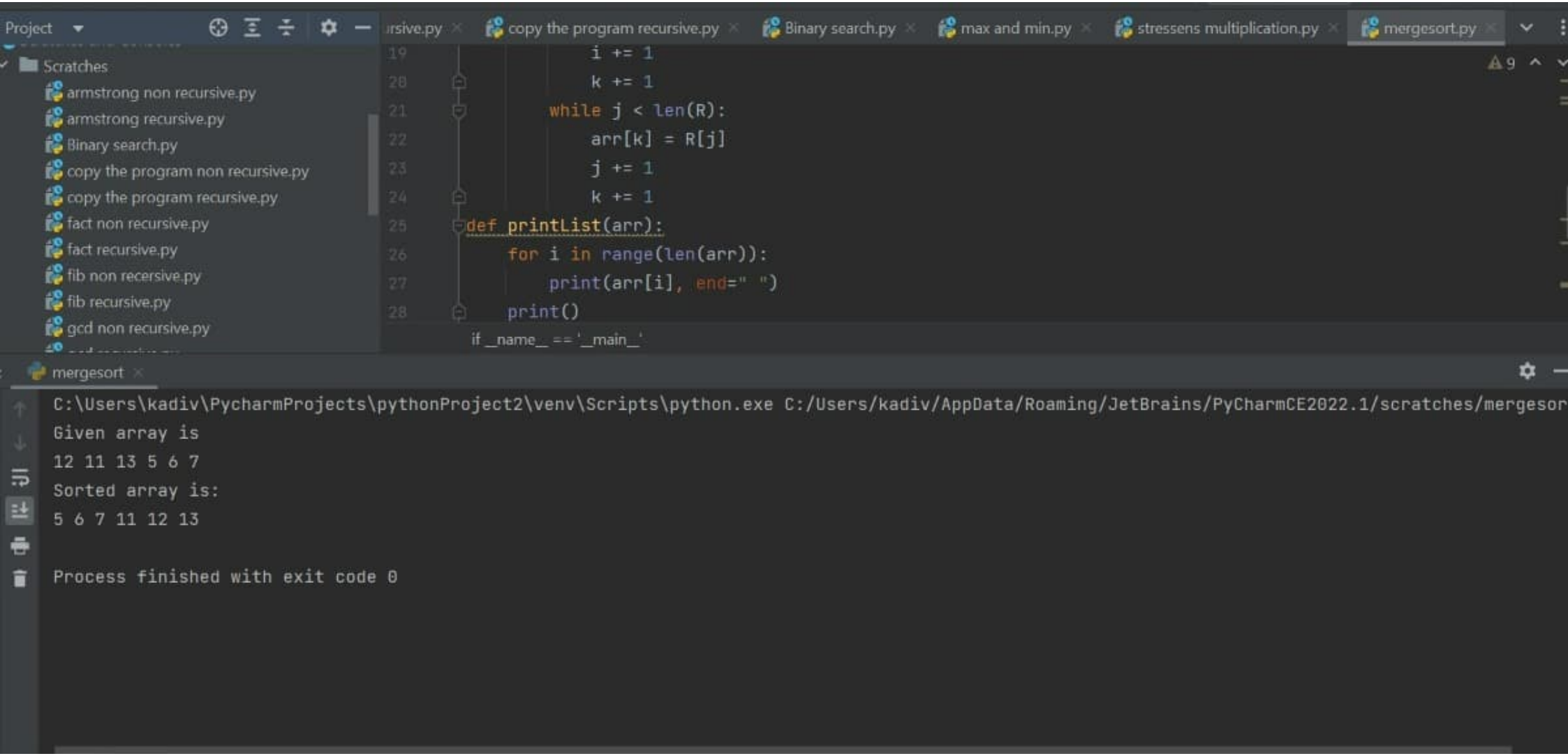
i += 1
k += 1
while j < len(R):
arr[k] = R[j]
j += 1
k += 1
def printList(arr):
for i in range(len(arr)):
print(arr[i], end=" ")
print()
if __name__ == '__main__':
arr = [12, 11, 13, 5, 6, 7]
print("Given array is", end="\n")
printList(arr)
mergeSort(arr)
print("Sorted array is: ", end="\n")
printList(arr)
9
if __name__ == '__main__'


Project
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i += 1
k += 1
while j < len(R):
arr[k] = R[j]
j += 1
k += 1
def printList(arr):
for i in range(len(arr)):
print(arr[i], end=" ")
print()
if __name__ == '__main__'
mergesort
C:\Users\kadiv\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:/Users/kadiv/AppData/Roaming/JetBrains/PyCharmCE2022.1/scratches/mergesor
Given array is
12 11 13 5 6 7
Sorted array is:
5 6 7 11 12 13
Process finished with exit code 0