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1. merge-two-sorted-array.cpp
//merge two sorted array in a new sorted array.
#include <bits/stdc++.h>
using namespace std;
void sort_merge(int arr[], int arr1[], int arr2[],int l1, int l2){
  int I = I1+I2;
  int i = 0;
  int j = 0;
  int k = 0;
  while(i < I){
    if(j >= |1| | k >= |2){
       if(j >= |1){
         while(k > 12){
           arr[i] = arr2[k];
           k++;
           i++;
         }
       }else{
         while(j < l1){
           arr[i] = arr1[j];
           j++;
           i++;
         }
      }
       return;
    if(arr1[j] < arr2[k]){
       arr[i] = arr1[j];
      j++;
    }else{
       arr[i] = arr2[k];
       k++;
    }
    i++;
 }
}
int main(){
  int arr[10];
  int arr1[] = \{1,3,5,9,10\};
  int arr2[] = {2,3,4,6,8};
  int I1 = sizeof(arr1)/sizeof(arr1[0]);
  int I2 = sizeof(arr2)/sizeof(arr2[0]);
  sort_merge(arr,arr1,arr2,l1,l2);
  int i = 0;
  while(i < 10){
    cout << arr[i] << " ";
    i++;
 }
  return 0;
}
OUTPUT
PS S:\WorkSpace\CollegeWork\Practicals> g++ .\1.merge-two-sorted-array.cpp
PS S:\WorkSpace\CollegeWork\Practicals> ./a
12334568910
PS S:\WorkSpace\CollegeWork\Practicals>
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