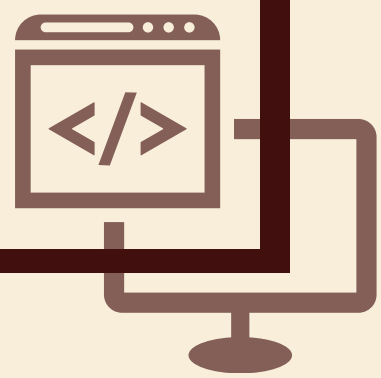
WOMEN IN CLOUD

Code With Coffee

C++

```
class Solution {
public: void merge(vector<int>& nums1, int m, vector<int>& nums2,
int n) {
 int i = m - 1;
int j = n - 1;
int k = m + n - 1;
while (j >= 0) {
if (i >= 0 && nums1[i] > nums2[j]) { nums1[k--] = nums1[i--]; }
 else { nums1[k--] = nums2[j--]; }
}
}
};
```

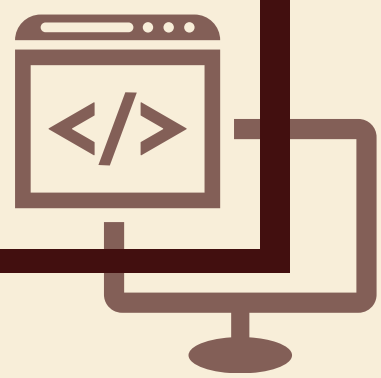


WOMEN IN CLOUD

Code With Coffee

Java

```
class Solution { public void merge(int[] nums1, int m, int[] nums2, int
n) {
 int i = m - 1;
int j = n - 1;
int k = m + n - 1;
 while (j >= 0) { if (i >= 0 && nums1[i] > nums2[j]) {
nums1[k--] = nums1[i--];
}
else { nums1[k--] = nums2[j--]; }
}
}
}
```

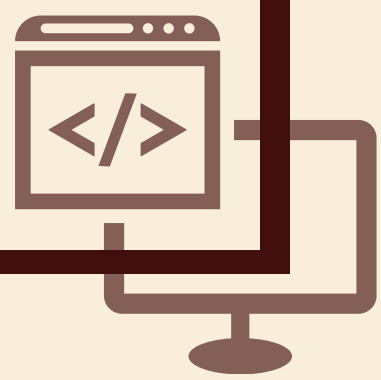


Code With Coffee

Python

```
class Solution(object):
    def merge(self, nums1, m, nums2, n):
        i = m - 1
        j = n - 1
        k = m + n - 1

        while j >= 0:
            if i >= 0 and nums1[i] > nums2[j]:
                nums1[k] = nums1[i]
                i -= 1
            else:
                nums1[k] = nums2[j]
                j -= 1
        k -= 1
```



Code With Coffee

C

```
void merge(int* nums1, int m, int* nums2, int n) {
    int i = m - 1;       // index for nums1 elements
    int j = n - 1;       // index for nums2 elements
    int k = m + n - 1;   // index for merged array in nums1

    while (j >= 0) {
        if (i >= 0 && nums1[i] > nums2[j]) {
            nums1[k] = nums1[i];
            i--;
        } else {
            nums1[k] = nums2[j];
            j--;
        }
        k--;
    }
}
```