

```
vector<int> intersection(vector<int>& nums1, vector<int>& nums2) {  
    unordered_set<int> set1(nums1.begin(), nums1.end());  
    unordered_set<int> set2(nums2.begin(), nums2.end());  
  
    vector<int> common;  
  
    for (auto& x: set1){  
        if (set2.find(x) != set2.end())  
            common.push_back(x);  
    }  
  
    return common;  
}
```