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```
5. (a)> def unique Update(data 1, data 2):
            # initially empty dictionary
              dupKeys = {}

          # Examine every (K, V2) pair in data2

          for [K, V2] in data2:
           # check if there is a key - value
            # pair with key = K in data 1
             if K in data1:
               V1 = data 1[K]
              # (K, V1) in dict 1
              # Check if V1 ! = V2
                if V1 != V2:
            # Add (K, [V1, V2])
             # to dictionary
               dup keys [K] = [V1, V2]
              # Remove (K, V1) from data1
               del data 1[K]

      else: # Add (K, V2) to data 1
               data 1(K) = V2
     # After processing all (K, V2) in
     # data2, return the dictionary
      return dup Keys.
```

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```
5 (b)>  if   k in  data 1:
             v1  =data1 [k]
              if v1 ! =v2 ;
              dup keys [k] = [v1 , v2]
               del data1[k)
             else :
               data1 [k) =v2
              return dup keys.
```

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5. (c) >

Test case 1

```
4
 1  2
 3  3
 3  8
 4  9
2
 3  3
 4  4
```

Test case 2

```
4
 1  2
 2  2
 3  3
 4  19
2
 3  3
 4  19
```

Test case 3

The test case written in 5a, which breaking the initially written code can be written codee.