4. Implement a C Program for Given an array finding duplication values

Code

```
#include <stdio.h>


int main() {
   int a[] = {1, 2, 3};
   int b[] = {2, 3, 4};
   int merged[10];
   int n1 = 3, n2 = 3;
   int i, j, k = 0;

   // Merge arrays
   for (i = 0; i < n1; i++)
      merged[k++] = a[i];
   for (j = 0; j < n2; j++)
      merged[k++] = b[j];

   // Find duplicates
   printf("Duplicate elements are: ");
   int found = 0;
   for (i = 0; i < n1 + n2; i++) {
      for (j = i + 1; j < n1 + n2; j++) {
         if (merged[i] == merged[j]) {
            printf("%d ", merged[i]);
            found = 1;
            break;
         }
      }
```

```
    }

    if (!found)
        printf("None");

    printf("\n");
    return 0;
}
```

Output