

DOUBLE:

```
#include <stdio.h>
```

```
#define MAX 100 // Adjust based on expected range of numbers
```

```
int findDuplicates(int arr[], int n) {
```

```
    int count[MAX] = {0}; // Initialize count array to zero
```

```
    int foundDuplicate = 0; // Flag to track if duplicates are found
```

```
    for (int i = 0; i < n; i++) {
```

```
        count[arr[i]]++; // Increment the count for the current number
```

```
    }
```

```
    printf("Duplicate elements are: ");
```

```
    for (int i = 0; i < MAX; i++) {
```

```
        if (count[i] > 1) {
```

```
            printf("%d ", i);
```

```
            foundDuplicate = 1;
```

```
        }
```

```
    }
```

```
    return foundDuplicate; // Return 1 if duplicates found, else 0
```

```
}
```

```
int main() {
```

```
    int arr[] = {1, 2, 3, 4, 5, 3, 2, 6, 7, 1};
```

```
    int n = sizeof(arr) / sizeof(arr[0]);
```

```
    if (findDuplicates(arr, n) == 0) {
```

```
        printf("None\n");
```

```
    } else {
```

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