

Prob 5. Given an array of n integers. The task is to print the duplicates in the given array. If there are no duplicates then print -1.

Solve:

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

```
void printDuplicates(int arr[], int n) {
```

```
    int foundDuplicate = 0
```

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

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

```
        for (int j = i + 1; j < n; j++) {
```

```
            if (arr[i] == arr[j]) {
```

```
                printf("%d ", arr[i]);
```

```
                foundDuplicate = 1;
```

```
                break;        }
```

```
    }
```

```
}
```

```
if (!foundDuplicate) {
```

```
    printf("-1");
```

```
}
```

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

```
int main() {
```

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

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

```
    printDuplicates(arr, n);
```

```
    return 0;
```

```
}
```