

Finding values for queries in a list

Approach 3

```
def find_my_queries(a, query):  
    # Range of numbers in a is 0-1000  
    new = [False] * 1001  
  
    # Iterate on list a  
    for i in a:  
        # Mark that index as True  
        new[i] = True  
  
    # Check for queries  
    for i in query:  
        # Check flag at index i in new list  
        if new[i] == True:  
            print(True)  
        else:  
            print(False)  
  
a = [1, 2, 999, 10, 880, 1000, 1, 50, 90, 400, 300, 600]  
query = [1, 299, 600]  
  
# True False True  
  
find_my_queries(a, query)  
  
True  
False  
True  
  
[False] * 3  
[False, False, False]
```

Approach 4

```
def queries_using_set(a, query):  
    # make a set of the list a  
    s = set(a) # O(N)  
  
    # for i in a:  
    #     s.add(i)  
  
    # Search for your queries  
    # O(Q)
```

```
    for i in query:
        if i in s:
            print(True)
        else:
            print(False)

a = [1, 2, 999, 10, 880, 1000, 1, 50, 90, 400, 300, 600]
query = [1, 299, 600]

# s = {1, 2, 10, 50, 90, 300, 400, 600, 880, 999, 1000}

queries_using_set(a, query)

True
False
True
```