Group Exercise 16: Filtering with Sets and Lists
CPSC 301 - 2016W2

Write the Python code for the body of the following function to behave according to what is described in its docstring. Hint: Use a set in the implementation of your function body.

```python
def get_sorted_evens(alist):
    ''' (list of numbers) -> list of numbers
    Returns a new list which contains all of the even numbers in a provide list. The return list should be sorted and without duplicates.

>>> get_sorted_evens([1,2,3,4,5,6])
[2,4,6]
>>> get_sorted_evens([5,1,2,3,8,2])
[2,8]
>>> get_sorted_evens(13,1,3,9])
[]
'''

//other solutions possible
a_set = set()
for item in alist:
    if item % 2 == 0:
        a_set.add(item)

result = list(a_set)
result.sort()
return result
```