#1.Write a program to check if 'apple' is present in the set {'apple', 'banana', 'cherry'}.

```
# Define the set
fruit_set = {'apple', 'banana', 'cherry'}

# Check if 'apple' is present in the set
if 'apple' in fruit_set:
    print("Yes, 'apple' is present in the set.")
else:
    print("No, 'apple' is not present in the set.")
```

```
Yes, 'apple' is present in the set.
```

#2.Length of a Set: Find the length of the set numbers = {10, 20, 30, 40, 50}.

```
numbers = {10, 20, 30, 40, 50}
length = len(numbers)
print("The length of the set is:", length)
```

```
The length of the set is: 5
```

#3.Remove Duplicates from a List: Write a program to remove duplicates from the list [1, 2, 2, 3, 4, 4, 5] using a set.

```
numbers_list = [1, 2, 2, 3, 4, 4, 5]

# Remove duplicates from the list using a set
numbers_set = set(numbers_list)

# Convert the set back to a list
unique_numbers_list = list(numbers_set)

print("The list without duplicates is:", unique_numbers_list)
```

```
The list without duplicates is: [1, 2, 3, 4, 5]
```