1.

```
numbers_set = {1, 2, 3, 4, 5}
print(numbers_set)
```

```
{1, 2, 3, 4, 5}
>
```

2.

```
numbers_set = {1, 2, 3}
numbers_set.add(4)
numbers_set.add(5)
print(numbers_set)
```

```
{1, 2, 3, 4, 5}
>
```

3.

```
numbers_set = {1, 2, 3, 4, 5}
numbers_set.remove(4)
numbers_set.remove(5)
print(numbers_set)
```

```
{1, 2, 3}
>
```

4.

```
set1 = {1, 2, 3}
set2 = {3, 4, 5}
intersection = set1.intersection(set2)
print(intersection)
```

```
{3}
>
```

5.

```
set1 = {1, 2, 3, 4}
set2 = {3, 4, 5, 6}
union = set1.union(set2)
print(union)
```

```
{1, 2, 3, 4, 5, 6}
>
```

6.

```
set1 = {1, 2, 3, 4, 5}
set2 = {4, 5, 6, 7, 8}
difference = set1.difference(set2)
print(difference)
```

```
{1, 2, 3}
>
```

7.

```
set1 = {1, 2, 3}
set2 = {3, 4, 5}
symmetric_difference = set1.symmetric_difference(set2)
print(symmetric_difference)
```

```
{1, 2, 4, 5}
>
```

8.

```
numbers_set = {1, 2, 3, 4, 5}
if 3 in numbers_set:
    print("Число 3 присутствует в множестве")
else:
    print("Число 3 отсутствует в множестве")
```

```
Число 3 присутствует в множестве
>
```

9.

```python
set1 = {1, 2, 3, 4}
set2 = {1, 2, 3, 4, 5}
if set1.issubset(set2):
    print("set1 является подмножеством set2")
else:
    print("set1 не является подмножеством set2")
```

```
set1 является подмножеством set2
>
```

10.

```python
numbers_list = [1, 2, 3, 2, 4, 5, 4, 6]
unique_numbers = list(set(numbers_list))
print(unique_numbers)
```

```
[1, 2, 3, 4, 5, 6]
>
```