Superset , SubSet , Disjoint

```
#Superset , Subset and Disjoint

a1 = {1,2,3,4,5,6,7,8,9}
b1 = {3,4,5,6,7,8}
c1 = {10,20,30,40}
```

[33] ✓ 0.0s Python

```
a1.issuperset(b1)
```

[34] ✓ 0.0s Python

```
True
```

```
a1.issuperset(c1)
```

[35] ✓ 0.0s Python

```
False
```

```
b1.issubset(a1)
```

[37] ✓ 0.0s Python

```
True
```

```
c1.isdisjoint(a1)
```

[38] ✓ 0.0s Python

```
True
```

```
b1.isdisjoint(a1)
```

[39] ✓ 0.0s Python

```
False
```

```
b1.isdisjoint(c1)
```

[40] ✓ 0.0s Python

```
True
```

```
a2 = {1,2,3,4,5,6,7,8,9}
b2 = {35,45,55,65,75,85}
c2 = {10,20,30,40}
```

[42] ✓ 0.0s Python

```
a2.isdisjoint(b2)
```

[43] ✓ 0.0s Python

```
True
```

```
a2.issubset(b2)
```

[44] ✓ 0.0s Python

```
False
```

```
b2.issubset(a2)
```

[45] ✓ 0.0s Python

```
False
```

```
c2.isdisjoint(a1)
```

[46] ✓ 0.0s Python

```
True
```

```
numbers = {1,2,3,4,5,6,7,8,9}
```

[47] ✓ 0.0s Python

```
print(min(numbers))
print(max(numbers))
print(sum(numbers))
```

[49] ✓ 0.0s Python

```
1
9
45
```