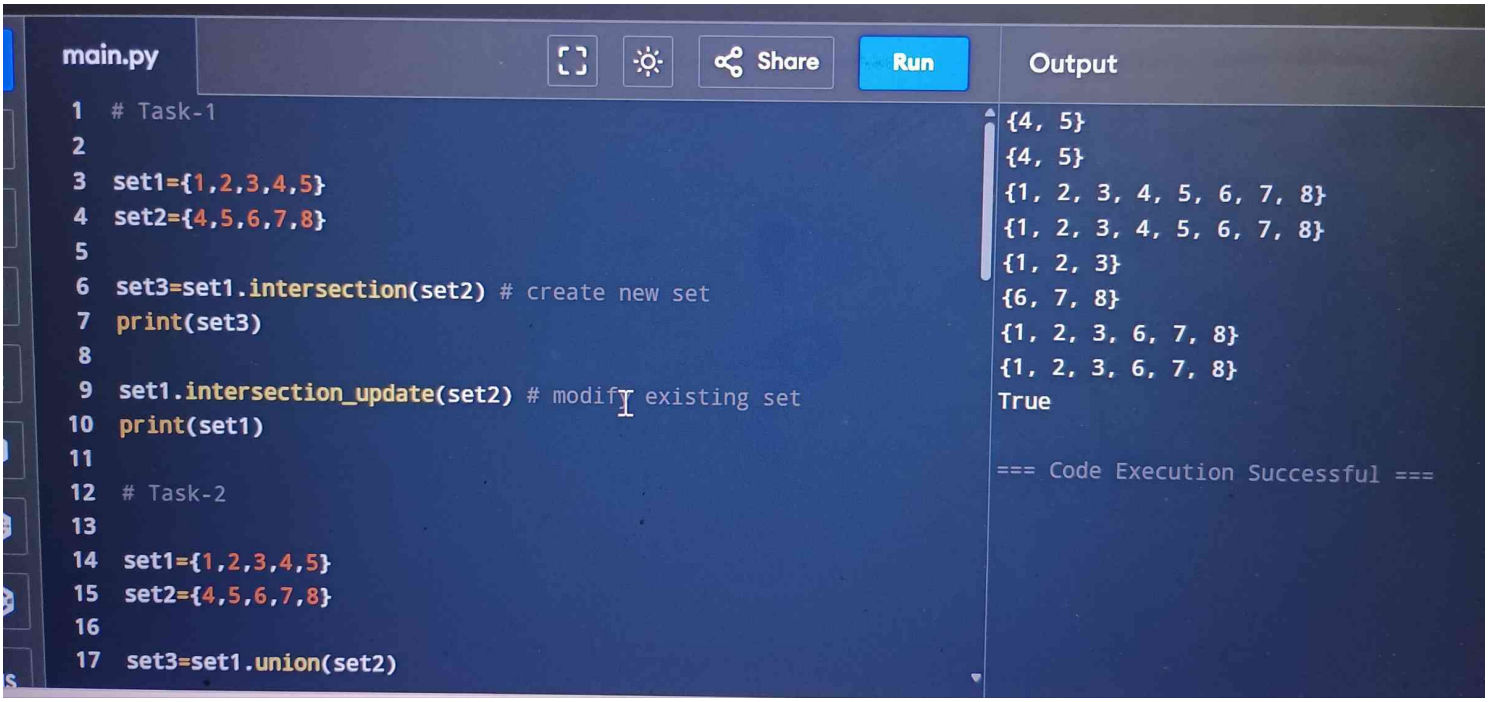
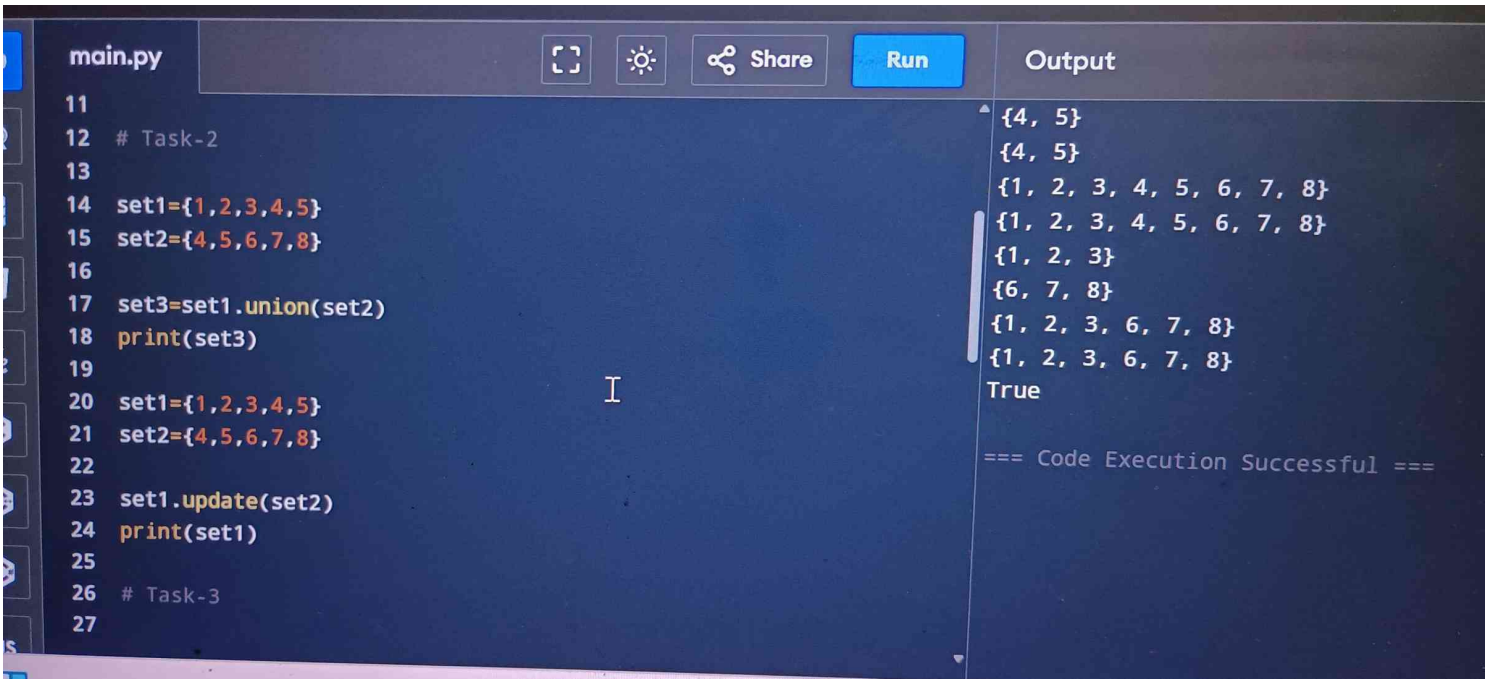

main.py
Share
Run
Output
# Task-1
set1={1,2,3,4,5}
set2={4,5,6,7,8}
set3=set1.intersection(set2) # create new set
print(set3)
set1.intersection_update(set2) # modify existing set
print(set1)
# Task-2
set1={1,2,3,4,5}
set2={4,5,6,7,8}
set3=set1.union(set2)
{4, 5}
{4, 5}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3}
{6, 7, 8}
{1, 2, 3, 6, 7, 8}
{1, 2, 3, 6, 7, 8}
True
=== Code Execution Successful ===


main.py
Share
Run
Output
11
12 # Task-2
13
14 set1={1,2,3,4,5}
15 set2={4,5,6,7,8}
16
17 set3=set1.union(set2)
18 print(set3)
19
20 set1={1,2,3,4,5}
21 set2={4,5,6,7,8}
22
23 set1.update(set2)
24 print(set1)
25
26 # Task-3
27
{4, 5}
{4, 5}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3}
{6, 7, 8}
{1, 2, 3, 6, 7, 8}
{1, 2, 3, 6, 7, 8}
True
=== Code Execution Successful ===

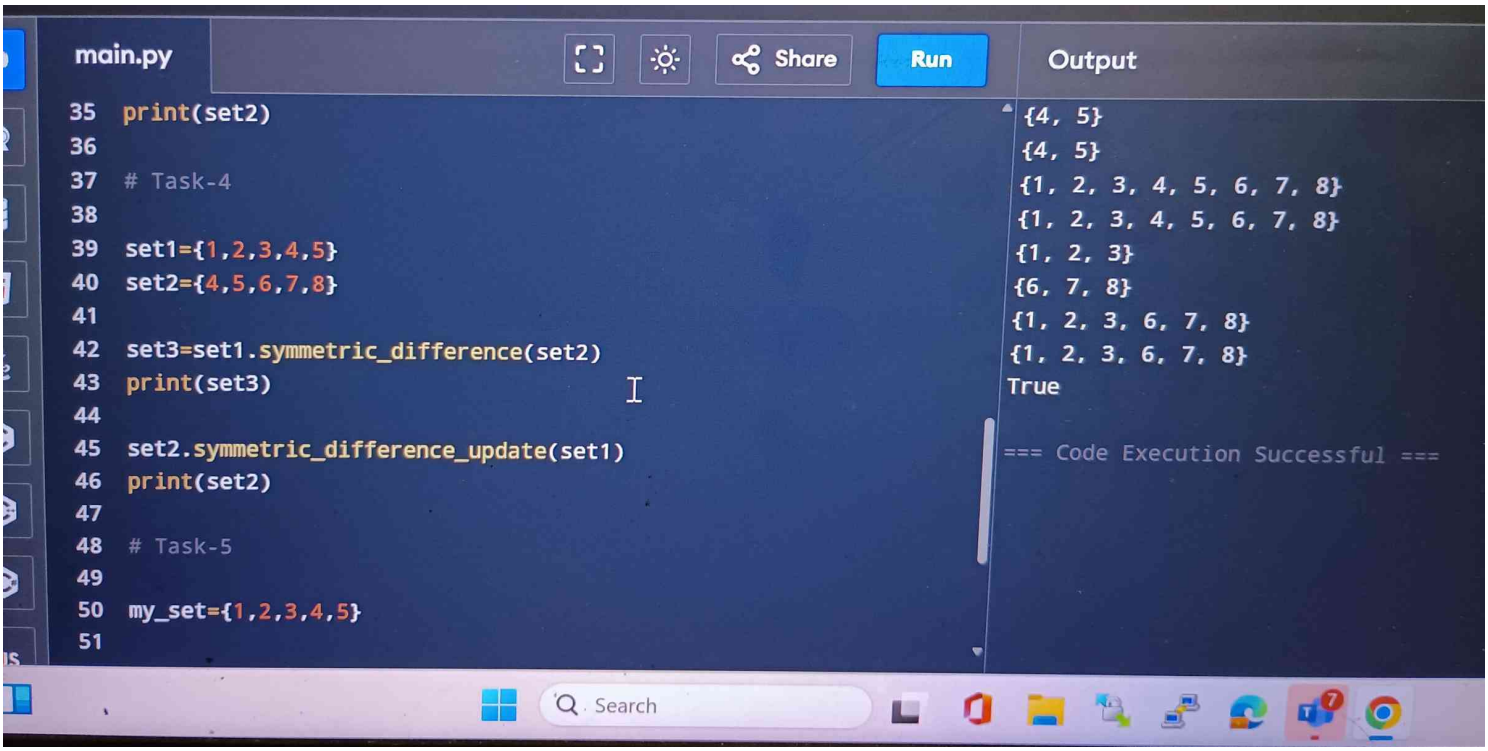
main.py

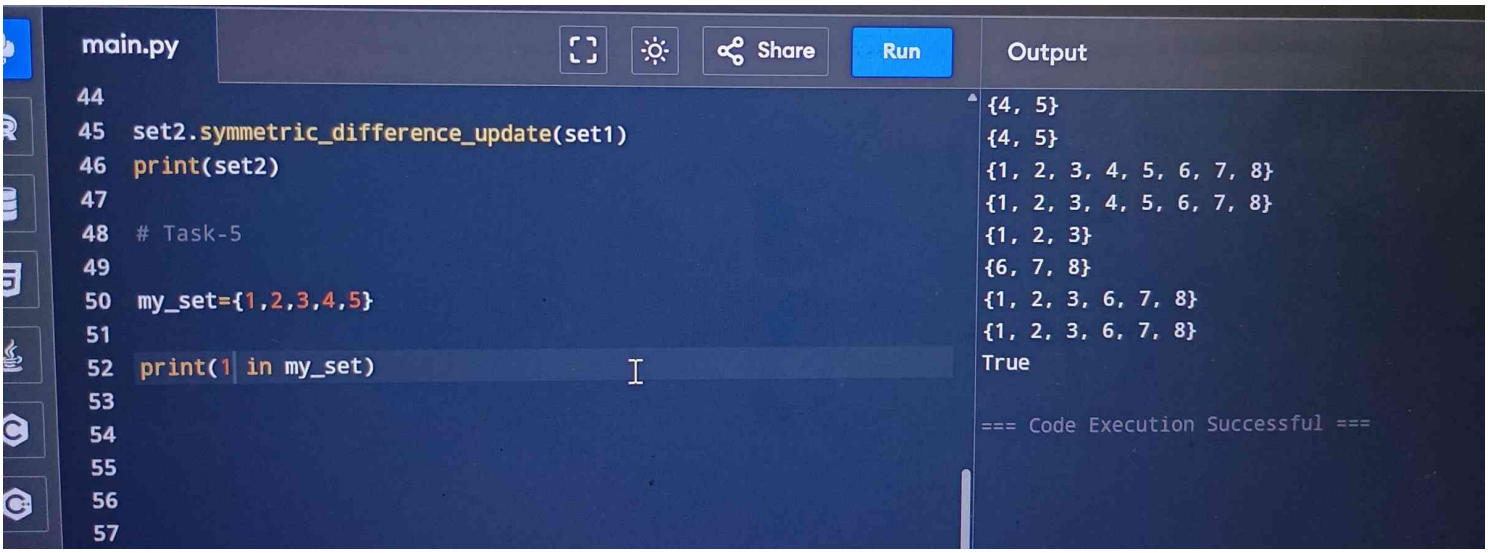
Share Run Output

```
print(set1)

# Task-3

set1={1,2,3,4,5}
set2={4,5,6,7,8}

set3=set1.difference(set2)
print(set3)

set2.difference_update(set1)
print(set2)

# Task-4

set1={1,2,3,4,5}
set2={4,5,6,7,8}
```

```
{4, 5}
{4, 5}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3}
{6, 7, 8}
{1, 2, 3, 6, 7, 8}
{1, 2, 3, 6, 7, 8}
True

=== Code Execution Successful ===
```

Search


main.py
Share
Run
Output
print(set2)
# Task-4
set1={1,2,3,4,5}
set2={4,5,6,7,8}
set3=set1.symmetric_difference(set2)
print(set3)
set2.symmetric_difference_update(set1)
print(set2)
# Task-5
my_set={1,2,3,4,5}
{4, 5}
{4, 5}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3}
{6, 7, 8}
{1, 2, 3, 6, 7, 8}
{1, 2, 3, 6, 7, 8}
True
=== Code Execution Successful ===
Search


main.py
Share
Run
Output
44
45 set2.symmetric_difference_update(set1)
46 print(set2)
47
48 # Task-5
49
50 my_set={1,2,3,4,5}
51
52 print(1 in my_set)
53
54
55
56
57
{4, 5}
{4, 5}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3, 4, 5, 6, 7, 8}
{1, 2, 3}
{6, 7, 8}
{1, 2, 3, 6, 7, 8}
{1, 2, 3, 6, 7, 8}
True
=== Code Execution Successful ===