

### Sample Run 1:

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA07 git:(main)±2 (1m 21.08s)
./assign7

Enter set A:
Enter an element (-1 to end): 3
Enter an element (-1 to end): 6
Enter an element (-1 to end): 9
Enter an element (-1 to end): -1
Entry complete

Enter set B:
Enter an element (-1 to end): 6
Enter an element (-1 to end): 9
Enter an element (-1 to end): 12
Enter an element (-1 to end): -1
Entry complete

Union of A and B is:
{ 3 6 9 12 }
Intersection of A and B is:
{ 6 9 }
Set A is not equal to set B

Inserting 77 into set A...
Set A is now:
{ 3 6 9 77 }

Deleting 77 from set A...
Set A is now:
{ 3 6 9 }
Invalid insert attempted!
Invalid insert attempted!

Set E is:
{ 1 2 9 25 45 67 99 100 }
```

## Sample Run 2:

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA07 git:(main)±2 (7.35s)
./assign7
Enter set A:
Enter an element (-1 to end): -1
Entry complete

Enter set B:
Enter an element (-1 to end): 2
Enter an element (-1 to end): 4
Enter an element (-1 to end): 6
Enter an element (-1 to end): -1
Entry complete

Union of A and B is:
{ 2 4 6 }
Intersection of A and B is:
{ ---}
Set A is not equal to set B

Inserting 77 into set A...
Set A is now:
{ 77 }

Deleting 77 from set A...
Set A is now:
{ ---}
Invalid insert attempted!
Invalid insert attempted!

Set E is:
{ 1 2 9 25 45 67 99 100 }
```

### Sample Run 3:

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA07 git:(main)±2 (13.86s)
./assign7
Enter set A:
Enter an element (-1 to end): 105
Invalid Element
Enter an element (-1 to end): -5
Invalid Element
Enter an element (-1 to end): -1
Entry complete

Enter set B:
Enter an element (-1 to end): 50
Enter an element (-1 to end): 70
Enter an element (-1 to end): -1
Entry complete

Union of A and B is:
{ 50 70 }
Intersection of A and B is:
{ ---}
Set A is not equal to set B

Inserting 77 into set A...
Set A is now:
{ 77 }

Deleting 77 from set A...
Set A is now:
{ ---}
Invalid insert attempted!
Invalid insert attempted!

Set E is:
{ 1 2 9 25 45 67 99 100 }
```

#### Sample Run 4:

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA07 git:(main)±2 (8.565s)
./assign7

Enter set A:
Enter an element (-1 to end): 10
Enter an element (-1 to end): 20
Enter an element (-1 to end): 30
Enter an element (-1 to end): -1
Entry complete

Enter set B:
Enter an element (-1 to end): 10
Enter an element (-1 to end): 20
Enter an element (-1 to end): 30
Enter an element (-1 to end): -1
Entry complete

Union of A and B is:
{ 10 20 30 }
Intersection of A and B is:
{ 10 20 30 }
Set A is equal to set B

Inserting 77 into set A...
Set A is now:
{ 10 20 30 77 }

Deleting 77 from set A...
Set A is now:
{ 10 20 30 }
Invalid insert attempted!
Invalid insert attempted!

Set E is:
{ 1 2 9 25 45 67 99 100 }
```

### Sample Run 5:

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA07 git:(main)±2 (24.98s)
./assign7
Enter set A:
Enter an element (-1 to end): 1
Enter an element (-1 to end): 3
Enter an element (-1 to end): 5
Enter an element (-1 to end): -1
Entry complete

Enter set B:
Enter an element (-1 to end): 2
Enter an element (-1 to end): 4
Enter an element (-1 to end): 6
Enter an element (-1 to end): -1
Entry complete

Union of A and B is:
{ 1 2 3 4 5 6 }
Intersection of A and B is:
{ ---}
Set A is not equal to set B

Inserting 77 into set A...
Set A is now:
{ 1 3 5 77 }

Deleting 77 from set A...
Set A is now:
{ 1 3 5 }
Invalid insert attempted!
Invalid insert attempted!

Set E is:
{ 1 2 9 25 45 67 99 100 }
```

### Sample Run 6:

```
~/Documents/College/Courses/DVC Summer 2024/COMSC-200/PA07 git:(main)±2 (15.23s)
```

```
./assign7
```

```
Enter set A:
```

```
Enter an element (-1 to end): 10
```

```
Enter an element (-1 to end): 20
```

```
Enter an element (-1 to end): 30
```

```
Enter an element (-1 to end): 40
```

```
Enter an element (-1 to end): 50
```

```
Enter an element (-1 to end): 60
```

```
Enter an element (-1 to end): -1
```

```
Entry complete
```

```
Enter set B:
```

```
Enter an element (-1 to end): 15
```

```
Enter an element (-1 to end): 25
```

```
Enter an element (-1 to end): 35
```

```
Enter an element (-1 to end): 45
```

```
Enter an element (-1 to end): 55
```

```
Enter an element (-1 to end): 65
```

```
Enter an element (-1 to end): -1
```

```
Entry complete
```

```
Union of A and B is:
```

```
{ 10 15 20 25 30 35 40 45 50 55 60 65 }
```

```
Intersection of A and B is:
```

```
{ ---}
```

```
Set A is not equal to set B
```

```
Inserting 77 into set A...
```

```
Set A is now:
```

```
{ 10 20 30 40 50 60 77 }
```

```
Deleting 77 from set A...
```

```
Set A is now:
```

```
{ 10 20 30 40 50 60 }
```

```
Invalid insert attempted!
```

```
Invalid insert attempted!
```

```
Set E is:
```

```
{ 1 2 9 25 45 67 99 100 }
```