C:\Users\dell\Desktop\ds&tl\union.exe

```
Abhishek Gupta(19/IT/901)
Enter no. of elements in first Array : 3
Enter element in first Array : 1
2
3
Enter no. of elements in Second Array : 3
Enter element in second Array : 2
4
5

Union of two sets is : 12345
--------------------------------
Process exited after 8.942 seconds with return value 0
Press any key to continue . . .
```

Select C:\Users\dell\Desktop\ds&tl\intersection.exe

```
Abhishek Gupta(19/IT/901)
Enter no. of elements in First Array : 3
Enter elements in First Array : 1
2
3
Enter no. of  elements in Second Array : 3
Enter elements in Second Array : 2
4
5
Intersection of two sets : 2
-------------------------------
Process exited after 5.213 seconds with return value 0
Press any key to continue . . .
```

C:\Users\dell\Desktop\ds&tl\symmetric.exe

```
Abhishek Gupta(19/IT/901)
Enter no. of  elements in first Array :
3
Enter element in first Array :
1
2
3
Enter no. of  elements in Second Array :
3
Enter element in second Array :
2
4
5
Union of two sets is : 12345
Intersection of two sets : 2
Symmetric Difference of two sets :1345
--------------------------------
Process exited after 8.337 seconds with return value 0
Press any key to continue . . .
```
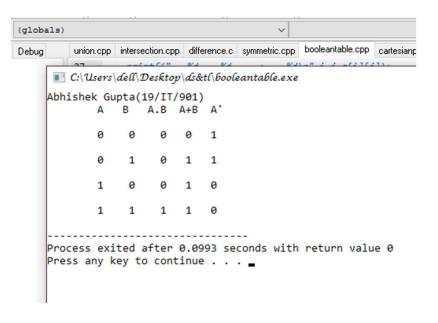
```
C:\Users\dell\Desktop\ds&tl\booleantable.exe

Abhishek Gupta(19/IT/901)
        A    B    A.B   A+B   A'

        0    0    0     0     1

        0    1    0     1     1

        1    0    0     1     0

        1    1    1     1     0

----------------------------------
Process exited after 0.0993 seconds with return value 0
Press any key to continue . . .
```

C:\Users\dell\Desktop\ds&tl\cartesianproduct.cpp - [Executing] - Dev-C++

```
C:\Users\dell\Desktop\ds&tl\cartesianproduct.exe

Abhishek Gupta(19/IT/901)
Enter no. of  elements in First Array : 3
Enter elements in First Array : 1
2
3
Enter no. of  elements in Second Array : 3
Enter elements in Second Array : 2
4
5
(1,2),(1,4),(1,5),(2,2),(2,4),(2,5),(3,2),(3,4),(3,5),
----------------------------------
Process exited after 7.992 seconds with return value 0
Press any key to continue . . .
```

C:\Users\dell\Desktop\ds&tl\difference.c - [Executing] - Dev-C++ 5.11

```
C:\Users\dell\Desktop\ds&tl\difference.exe

Abhishek Gupta(19/IT/901)
Enter no. of  elements in First Array :
3
Enter elements in First Array :
1
2
3
Enter no. of  elements in Second Array :
3
Enter elements in Second Array :
2
4
5
Difference of two sets :
13
----------------------------------
Process exited after 6.648 seconds with return value 2
Press any key to continue . . .
```