```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc practical.c
-o practical } ; if ($?) { .\
practical }
Enter the size of array A:
3
Enter the element of First array A:
4
7
6
Enter the size of array B:
3
Enter the elements of array B:
7
8
6
 union
476786
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc practical.c
-o practical } ; if ($?) { .\
practical }
enter the value of n
3
 enter the value of num
256
 enter the value of num
324
 enter the value of num
25
 enter the value of m
2
enter the num2
25
enter the num2
324
the intersection are
25 324
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc practical.c
-o practical } ; if ($?) { .\
practical }
Enter length of first array:3
Enter 3 elements of first array
21
23
24
Enter length of second array:2
Enter 2 elements of second array
35
62
The difference of the two array is:
21
23
24
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc practical.c
-o practical } ; if ($?) { .\
practical }
a
b
ab
c
ac
bc
abc
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc
tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Enter how many elements in set 1

3

Enter how many elements in set 2

3

Enter elements of set 1

2

5

4

Enter elements of set 2

6

5

4

cartessian product={(2,6),(2,5),(2,4),(5,6),(5,5),(5,4),(4,6),(4,5),(4,4)}
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc
tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Edge    Weight

0 - 1   2

1 - 2   3

0 - 3   6

1 - 4   5
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc
tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Enter the number of terms

10

First 10 terms of Fibonacci series are:

0

1

1

2

3

5

8

13

21

34
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Enter a positive integer: 25

25 is not a prime number.
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Enter the number of rows and columns of matrix

2

2

Enter the elements of first matrix

2

2

6

4

Enter the elements of second matrix

6

5

4

9

Sum of entered matrices:-

8       7

10      13
```

practical.c:420:1: note: include '<stdio.h>' or provide a declaration of 'scanf'

enter the cost matrix

6

5

4

8

enter number of paths

3

enter possible paths

5

6

9

8

4

5

minimum cost 4

minimum cost path --> 0--> 50

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Enter the first string

ram

Enter the second string

kumar

String obtained on concatenation: ramkumar
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc
tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Read the integers from keyboard:-

6

5

The Answer after ANDing is: 4
```

```
PS C:\Users\Ayush Raj\Desktop\dstl> cd "c:\Users\Ayush Raj\Desktop\dstl\" ; if ($?) { gcc tempCodeRunnerFile.c -o tempCodeRunnerFil

e } ; if ($?) { .\tempCodeRunnerFile }

Enter the number of rows and columns of matrix

3

3

Enter elements of the matrix

6

5

4

9

8

7

6

5

4

Transpose of the matrix:

6       9       6

5       8       5

4       7       4
```