|    | Write a program to reverse an array without using an additional array?  How to merge two unsorted arrays in sorted order? |
|----|---|
| 3. | How to merge two sorted arrays?   |
| 4. | Write a program to merge and sort elements of two different arrays  |
| 5. | Write a program to print all unique elements in an array.   |
| 6. | Write a program to remove all the prime numbers in an array   |
| 7. | Program to find the average of n (n $<$ 10) numbers using arrays  |
| 8. | Program to find the average of n numbers using arrays   |
| 9. | Write a Program to Delete an Integer from an Array of random numbers  |
|    |   |

| 10. | Write a program to find the sum of all elements of the array                          |
|-----|---|
| 11. | Write a program to copy the elements of one array into another array                  |
| 12. | Write a program to print all unique elements in an array                              |
| 13. | Write a program to insert a element in specified position in an array                 |
| 14. | Write a program to sort elements of array in ascending order                          |
| 15. | Write a program to insert New value in the array (sorted list )                       |
| 16. | Write a program to sort an array and print the count of unique elements in the array. |
| 17. | Write a program to print the sum of unique elements from an array                     |
|     |   |

| 18.            | Write a program to delete all the multiples of 5 in an array.  |
|----------------|--|
|                |  |
|                |  |
| 19.            | Write a program to print an array of random numbers in reverse order.                                      |
| 20.            | How do you find the duplicate number on a given integer array  |
| 21.<br>replace | Write a program to delete two elements after the occurrence of a prime number and e all even numbers by 0. |
| 22.            | Write a program to sort an array and print the count of '1' in the array.                                  |
| 23.            | In an array, replace all the prime numbers with '* '& remove all the odd numbers.                          |
| 24.            | Sort the array and replace elements in an odd position with * and remove prime                             |
| numbe          |  |
|                |  |
| 25.            | Find the sum of unique prime numbers in an array.  |

| 26. In an array remove all the prime numbers > 50 and remove all the non-prime num     | nbers |
|--|-------|
| < 50.  |       |
|  |       |
|  |       |
|  |       |
|  |       |
| 27. Write a program to count even and odd numbers in an array and also print the su    | m of  |
| the even numbers in an array.  |       |
|  |       |
|  | 0     |
| 28. How do you find all pairs of an integer array whose sum is equal to a given numb   | er?   |
|  |       |
| 29. Write a program to delete two elements after the occurrence of a prime number at   | nd    |
| replace all even numbers by 3.   |       |
|  |       |
| 20. White a present to make all gards to the hadinning of an arroy.                    |       |
| 30. Write a program to move all zeros to the beginning of an array.                    |       |
|  |       |
| 31. Sort the array and replace elements in an odd position with * and remove prime     |       |
| numbers  |       |
|  |       |
| 32. Write a program to read n number of values in an array and display the array after | •     |
| deleting two values next to the multiples of 3.  | L     |

| 33.     | Write a program to read an array and count even and odd numbers in an array and |
|---------|---|
| also Pr | rint sum of the even numbers in an array.                                       |
|         |   |
| 34.     | Write a program to sort an array and print the count of '1' in the array.       |
|         |   |
|         |   |
|         |   |
| 35.     | Write a program to delete two elements after the occurrence of an even number   |
|         | The arrangement of the comments are a comment of an even normal                 |
|         |   |
| 36.     | Write a program to find array elements that repeat 2 times in the array.        |
|         |   |
| 37.     | Write a program to move all zeros to the end of an array                        |
|         |   |
| 38.     | Write a program to merge two arrays of the same size sorted in descending       |
| order.  |   |
|         |   |
| 39.     | Write a program to count the frequency of each element of an array.             |
|         |   |
|         |   |

| 40. | Write a program to find the maximum and minimum element in an array.                        |
|-----|---|
| 41. | Write a program to separate odd and even integers in separate arrays.                       |
| 42. | Write a program to insert New value in the array (sorted list ).                            |
| 43. | Write a program to insert New value in the array (unsorted list) in (specific on).          |
|     |   |
|     | 1. Write a program to print the following star pattern  **  *  **  **  **  *  *  *  *  *  * |
|     | 2. Write a program to print the following star pattern  * * * * * * * * * * * * * *         |

| * * *  |
|--|
| * * *  |
| *  |
| * * *  |
| * * *  |
| * * *  |
| * * *  |
|  |
|  |
|  |
|  |
|  |
| 0.777.1  |
| 3. Write a program to print the following star pattern         |
| * * *  |
| * * *  |
| *  |
| * * * * *  |
| * * * * * *  |
| *  |
| *  |
| * * * * * * * * *  |
| * * * * * * * *  |
|  |
|  |
| 4. Write a program to print the following star pattern         |
| 4. Write a program to print the following star pattern * * * * |
|  |
| * * * *  |
| * * * *  |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |
| * * * * * * * * * * * * * * * * * * *                          |

7. Write a program to print the following star pattern \* \*

```
* * * * *
* *
* *
* * * * * * * * * *
* * * * * * * * * * * * * *
* *
* *
8. Write a program to print the following star pattern
* * * * *
* * * * *
*
*
* * *
*
* * * * *
```

11. Write a program to print the following star pattern \*\*\*\*\*

\*

# 12.Print this pattern

13. Print the array elements in the following pattern.

\*\*\*\*\* \*
\*
\*
\*
\*
\*
\*
\*
\*
\*
\*
\*
\*
\*
\*

16. Write a program to print the following star pattern.

\*

17. Write a program to print the following star pattern

 **18.**Write a program to print the following number pattern.

19. Write a program to print the following Alphabets pattern.

I IN IND INDI INDIA

20. Write a program to print the following Alphabets pattern.

M M A M A L M A L A M A L A Y A M A L A Y A L A Y A L A Y A L A M A L A Y A L A M A L A Y A L A M

21. Write a program to print the following pattern

22. Write a program to print the following pattern

```
12345
2468
369
48
5
```

23. Write a program to print the following pattern

24. Write a program to print the following pattern

A 11 BBB 2222 CCCCC 333333 DDDDDDDD

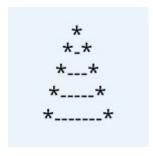
25. Write a program to print the following pattern

26. Write a program to print the following pattern

27. Write a program to print the following patten

28. Write a program to print the following patten

29. Write a program to print the following patten



30.Write a program to print the following pattern



31. Write a program to print the following pattern

```
*****

****

****

***

***

***

***
```

#### \*\*\*\*\* \*\*\*

32. Write a program to print the following pattern

```
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21
```

33. Write a program to print the following pattern

```
A B B C C C C D D D D E E E E E F F F F F F F
```

34. Write a program to print the following pattern

35 . Write a program to print the following pattern

36. Write a program to print the following pattern

```
A B C D E
A B C D
A B C
A B C
A B
```

37. Write a program to print the following pattern.

```
* * * *
* *
* *
```

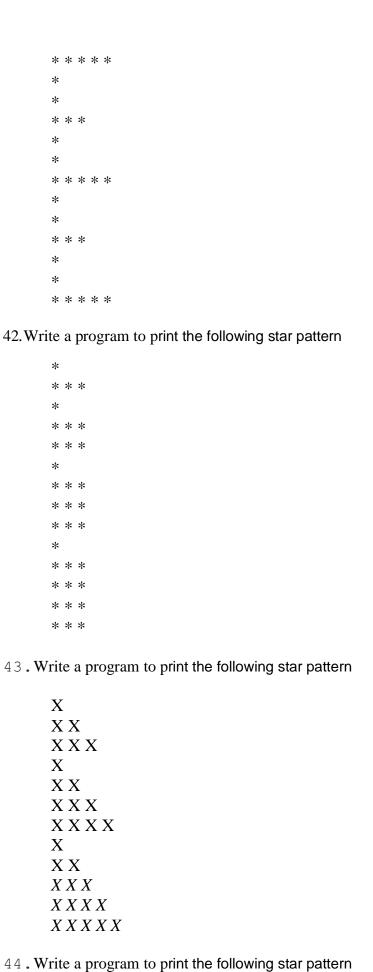
\* \* \* \*

38. Write a program to print the following star pattern.

39 . Write a program to print the following star pattern.

| 40. Write a program to print the following star pattern. |  |  |  |  |
|--|--|--|--|--|
| * * *  |  |  |  |  |
| *  |  |  |  |  |
| *  |  |  |  |  |
| *  |  |  |  |  |
| * * * * * *  |  |  |  |  |
| * * * * * *  |  |  |  |  |
| *  |  |  |  |  |
| *  |  |  |  |  |
| *  |  |  |  |  |
| * * * * * * * *  |  |  |  |  |
| * * * * * * * *  |  |  |  |  |
| * * * * * * * * *  |  |  |  |  |

41. Write a program to print the following star pattern.





46. Write a program to print the following pattern.

47. Write a program to print the following pattern.

```
1
12
123
1234
12345
12345
12345
1234
123
```

48 . Write a program to print the following pattern.

```
1
123
12345
1234567
12345
123
```

50 . Write a program to print the following pattern.

```
111111
111122
111333
114444
155555
666666
```

 $4\, 9$  . Write a program to print the following pattern.

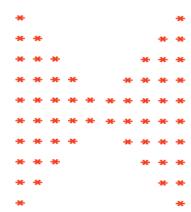
. Write a program to print the following pattern.

52. Write a program to print the following pattern.

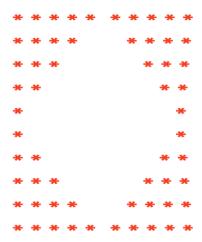
```
*
$ *
* $ *
$ *
$ * $ *
$ * $ *
```

53 . Write a program to print the following star pattern.

 $5\,4$  . Print the following pattern



55. Write a program to print the following star pattern



### 56. Write a program to print the following star pattern

## 57. Write a program to print the following star pattern

X X X X X X X X X X X X X X X

### XXXXXXXXX