1. Write a C program to print the following pattern.

2. Write a C program to print the following pattern.

3. Write a C program to print the following pattern.

4. Write a C program to print the following pattern.

5. Write a C program to print the following pattern.

6. Write a C program to print the following pattern.

a Bc DeF gHiJ kLmNo 7. Write a C program to print the following pattern.

8. Write a C program to print the following pattern.

11)Print this pattern.

12) print this pattern.

```
* ^*
* ^* *
* ^* * ^*
* ^* * ^* *
* ^* * ^* * ^*
* ^* * ^* * ^* *
* ^* * ^* * ^* * ^*
* ^* * ^* * ^* * * * *
* ^* * ^* * ^* * ^* * ^*
* ^* * ^* * ^* * * * *
* ^* * ^* * ^* * ^*
* ^* * ^* * ^* *
* ^* * ^* * ^*
* ^* * ^* *
* ^* * ^*
* ^* *
```

* ^*

2 3 2 3 4 5 4 3 4 5 6 7 6 5 4 5 6 7 8 9 8 7 6 5

14) print this pattern using c programming.

*_*_*_

*_*_*_

*_*_

_

*_

*_

_

*_*_

*_*_*

*_*_*_

15) print this pattern using c programming.

* *

** **

* * * *

* * * *

** **

* *

 $\begin{matrix} 0 \\ 101 \\ 21012 \\ 3210123 \\ 432101234 \\ 54321012345 \end{matrix}$

17) print this pattern using c programming.

18) print this pattern using c programming.

19) print this pattern using c programming.

20) print this pattern using c programming.

* *

* *

* *

21) print this pattern using c programming.

22) print this pattern using c program *****	nming.

**	
*	
**	


```
*****

* *

* *

* *
```

24) print this pattern using c programming.

```
*
*1*
*121*
*12321*
*1234321*
*123454321*
*1234321*
*12321*
*1211*
*1*
```

* *

* * * *

* * * *

* * * * * * * * * *

26) print this pattern using c programming.

* A * B *

* C * D

* E *

* F

*

* G

* H *

* I * J

* K * L *

27) print this pattern using c programming.
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
6 6 6 6 6 6
28) print this pattern using c programming.
*
* A *
*B*C*
*D*E*F*

29) print this pattern using c programming.

30) print this pattern using c programming.
1
121
12321
1234321
123454321
12345654321
31) print this pattern using c programming.
5
4 5
3 4 5
2 3 4 5
1 2 3 4 5

1

123

12345

1234567

123456789

1234567

12345

123

1

33)print this pattern using c programming.

ABCDEFGFEDCBA

ABCDEF FEDCBA

ABCDE EDCBA

ABCD DCBA

ABC CBA

AB BA

A A

*

* *

* *

* *

* *

* *

* *

* *

*

39)print this pattern using c programming.

A

11

BBB

2 2 2 2

 $C\ C\ C\ C\ C$

42) print this pattern using c programming.
C
CO
COM
COMP
COMPU
COMPUT
COMPUTE
COMPUTER
43) print this pattern using c programming.
Н
HE
HEL
HELL
HELLO
HELL
HEL
HE
Н
44) print this pattern using c programming.
3.
6 5
9 10 12
15 15 18 20 21
24 25 27 30 30 35 ⁽⁶⁸⁾

1.	Write a program to find the Kth largest and Kth smallest element in an array.
2.	Write a program to replace all even numbers in an array with \$ and print the array in descending order.
3.	Write a program to replace all odd numbers in an array with & and print the array in reverse order.
4.	Write a program to store even numbers and odd numbers in separate arrays.
5.	Write a program to print array elements in reverse order and find the 2nd largest number.

6.	Write a program to print alternate elements in an array.
7.	Write a program to find the 2nd smallest element in an array.
8.	Write a program to find the count of unique elements in an array and also find its sum.
9.	Write a program to print the array by skipping two values next to the multiples of 5.
10.	Write a program to find the sum of array elements except odd numbers which are divisible by 2.
11.	Write a program to find the sum of array elements except even numbers which are multiples of 4.

12.	Write a program to find the sum of array elements except prime numbers.
13.	Write a program to find the sum of array elements which are multiples of 3 and also find prime numbers.
14.	Write a program to find the sum of array elements which are multiples of 2 and divisible by 4.
15.	Write a program to find the sum of array elements which are multiples of 10 and store the elements into a new array.
16.	Write a program to replace multiples of 5 with # and replace the numbers which are divisible by 7 with '+'

17. Write a program to replace multiples of 3 with * and multiples of 7 with #.
18. Write a program to replace multiples of 4 with * and multiples of 6 with \$.
19. Write a program to find the most repeated element in an array.
20. Write a program to find the array element closest to zero.
21. Write a program to delete all duplicate elements from an array and reverse the array after deleting.

22.	Write a program to insert element in an array at specified position
23.	Write a program to print all negative elements in an array.
24.	Write a program to count the total number of negative elements in an array and find out the sum of positive numbers in the array.
25.	Write a program to replace all Even numbers by 0 and Odd numbers by 1.
26.	Write a program to replace all prime numbers by 0 and non-prime numbers by 1.

27.	Write a program to sort in descending order and reverse an array.
28.	Write a program to sort elements of an array in ascending order and delete duplicate elements.
29.	Write a program to sort elements of array in descending order and replace elements at odd positions with *.
30.	Write a program to find the average of negative and positive numbers in an array.
31.	Write a program to separate positive and negative numbers in separate arrays.

32. Write a program to count the total number of unique elements in an array.
33. Write a program to delete all prime numbers in an array and find out the sum of array elements after deleting.