Array

1.	Write a program to count the total number of duplicate elements in an array
2.	Write a program to print all unique elements in an array.
3.	Write a program to print all prime numbers in an array.
4.	Write a program to merge two arrays sorted in descending order.
5.	Write a program to count the frequency of each element of an array.
6.	Write a program to find the largest and smallest number in an array.
7.	Write a program to separate odd and even numbers in separate arrays.

8.	Write a program to delete an element at a specific position from an array.
9.	Write a program to find the second largest number in an array.
10.	Write a program to find the second smallest number in an array.
11.	Write a program to find the two repeating elements in a given array.
12.	Write a program to separate prime and non-prime numbers in separate arrays.
13.	Write a program to move all zeros(0's) to the end of a given array.
14.	Write a program to move all zeros(0's) to the beginning of a given array.
15.	Write a program to delete all duplicate elements from an array

16. Write a program to insert element in an array at specified position
17. Write a program to print all negative elements in an array
18. Write a program to count the total number of negative elements in an array.
19. Write a program to replace all Even numbers by 0 and Odd numbers by 1.
20. Write a program to replace all prime numbers by 0 and non-prime numbers by 1.
21. Write a program to sort and reverse an array.
22. Write a program to sort elements of array in ascending order
23. Write a program to sort elements of array in descending order

24. Write a program to find the average of numbers in an array.	
25. Write a program to separate positive and negative numbers in separate	e arrays.
26. Write a program to count the total number of unique elements in a	n array.
27. Write a program to count the total number of prime numbers in an ar	ray.
28. Write a program to delete all prime numbers in an array.	

Patterns

1)Print this pattern.

2) print this pattern.

1 232 34543 4567654 567898765

4) print this pattern using c programming.

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5) print this pattern using c programming.

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0 1 0 1 2 3 4 5 4 3 2 1 0 1 2 3 4 5
```

7) print this pattern using c programming.

10) print this pattern using c programming.

12) print this pattern using c programming. *****

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13) print this pattern using c programming.

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* *
* *

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

16) print this pattern using c programming.

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* * * *

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17) print this pattern using c programming.				
1				
22				
3 3 3				
4 4 4 4				
5 5 5 5 5				
6 6 6 6 6 6				
18) print this pattern using c programming.				
*				
A				
*A*A*				
*A*A*A*				
19) print this pattern using c programming.				
* * * * *				
* *				
* * * * *				

20) print this pattern using c programming.

21) print this pattern using c programming.
1
121
12321
1234321
123454321
12345654321

23) print this pattern using c programming.

1

ABCDEFGFEDCBA

ABCDEF FEDCBA

ABCDE EDCBA

ABCD DCBA

ABC CBA

AB BA

A A

25) print this pattern using c programming.

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27) print this pattern using c programming.

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29) print this pattern using c programming.

*
\$ *
* \$ *
\$ *
\$ * \$ *
* \$ * \$ *

Α 11 BBB 2222 CCCCC 31) print this pattern using c programming. _ _ _ * * _ _ * * * _ * * * * * * * * * 32) print this pattern using c programming. **** *** ***

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34) print this pattern using c programming.

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35)	print	this	pattern	using	С	programming.
С						
СО						
COM	I					
COM	P					
COM	PU					
COM	PUT					
COM	PUTE					
COM	PUTER					
36)	print	this	pattern	using	С	programming.
36) H	print	this	pattern	using	С	programming.
	print	this	pattern	using	С	programming.
Н		this	pattern	using	С	programming.
H HE	1	this	pattern	using	С	programming.
H HE HEL	L	this	pattern	using	С	programming.
H HE HEL	L	this	pattern	using	С	programming.
H HE HEL HEL	L LO	this	pattern	using	С	programming.
H HEL HEL HEL	L LO	this	pattern	using	С	programming.
H HEL HEL HEL HEL	L LO	this	pattern	using	С	programming.
H HEL HEL HEL HEL	L LO	this	pattern	using	С	programming.

12344321	
123**321	
12****21	
1*****1	
38) print this pa	attern using c programming.
5432*	
543*1	
54*21	
5*321	
*4321	
39) print this pa	attern using c programming.
· *	11
" ***	11
" ****	11
" *****	11
"*****	r II

1

2*2

3*3*3

4*4*4*4

4*4*4*4

3*3*3

2*2

1