

1. WAP to calculate area of circle
2. WAP to calculate area of rectangle
3. WAP to calculate the percentage of students
4. WAP to exchange value to two variable with third variable and without third variable
5. WAP to exchange value of two variable without using third variable and arithmetic operator
6. WAP to find greater among two number
7. WAP to find greater among three number
8. WAP to check wheather number is even or odd
9. WAP to check wheater number is positive or negative
10. Print number between 1 to 5 in word format
11. Find even odd using switch case
12. Check given character is vowel or not using switch case
13. Program to perform arithmetic operation using switch case
14. WAP to find lowest number among four different number
15. WAP to check given year is a leap year or not
16. W.A.P to convert temperature from Fahrenheit to Celsius and Celsius to Fahrenheit. For given problem you have to take choice from user. If user enter choice 'c' or 'C' then convert Fahrenheit to Celsius. If user enter choice 'f' or 'F' then convert Celsius to Fahrenheit.
17. W.A.P to check the sign of given number.
18. W.A.P to check whether given number is even or odd Without using % operator.
19. W.A.P to check whether the traingle is equilateral, scalene, or isosceles. Hint: - Isosceles triangle: In geometry, an isosceles triangle is a triangle that has two sides of equal length. Equilateral triangle: In geometry, an equilateral triangle is a triangle in which all three sides are equal. Scalene triangle: A scalene triangle is a triangle that has three unequal sides.
20. W.A.P to check whether a charachter is an alphabet or not.
21. C program to check whether the triangle is valid or not if angles are given. Hint:- The angle property of the triangle says that the sum of all three angles should be equal to 180.
22. Write a C program to check whether a number is divisible by 5 and 11 or not.
23. Write a C program to input day number and print week day.
24. Write a C program to count total number of notes in given amount.
25. Write a C program to calculate profit or loss.
26. Write a C program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer. Calculate percentage and grade according to following:
 - Percentage \geq 90% : Grade A
 - Percentage \geq 80% : Grade B
 - Percentage \geq 70% : Grade C
 - Percentage \geq 60% : Grade D
 - Percentage \geq 40% : Grade E
 - Percentage $<$ 40% : Grade F

27. Write a C program to input basic salary of an employee and calculate its Gross salary according to following: Basic Salary \leq 10000 : HRA = 20%, DA = 80%
Basic Salary \leq 20000 : HRA = 25%, DA = 90%
Basic Salary $>$ 20000 : HRA = 30%, DA = 95%

28. Write a C program to input electricity unit charges and calculate total electricity bill according to the given condition: For first 50 units Rs. 0.50/unit For next 100 units Rs. 0.75/unit For next 100 units Rs. 1.20/unit For unit above 250 Rs. 1.50/unit An additional surcharge of 20% is added to the bill.

29. Write a program to input choice from user. If user enter '+' as choice then calculate addition of 2 number. If Choice '>' then check which number is greaterst. If choice is '==' then check both number is equal or not.

30. Program to print 10 times hello on output screen using loop

31 Program to print 1 to 10 number using loop

32 Program to print 10 to 1 number using loop

33. WAP to print the series 1 2 3 4 5n

34 WAP to print the series 1 3 5 7 9.....n terms

35 WAP to print the series 2 4 6 8 10.....n terms

36 WAP to print the series 1 4 9 16 25.....n terms

37 WAP to print the fibonacci series 0 1 1 2 3 5 8 13.....n terms

38 WAP to calculate the sum of given series 1 2 3 4 5 6 7n terms

39 WAP to calculate the sum of given series 2 4 6 8 10.....n terms

40 WAP to calculate the sum of given series 1 - 2 + 3 - 4 + 5 - 6.....n terms

41 WAP to program to calculate the factorial of any given number.

42 WAP to calculate the reverse of any given number

43 WAP to input a number and check it palindrome or not

44 WAP to input 3 digit number and check it is armstron or not

45 WAP to input a number and check it is prime or not

46 WAP to calculate the power of a number

47 WAP to calculate the sum of given series $x^1 + x^2 + x^3 + \dots + x^n$

48 WAP to calculate the sum of series $1/1! + 2/2! + 3/3! + \dots + n/n!$

49 WAP to print all prime number from 101 to 199

50 WAP to print the reverse of all number from 101 to 199

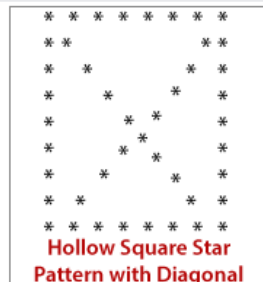
51 WAP to print all palindrome number from 101 to 199

52 WAP to print all armstrong number from 101 to 999

53. * * * * *
* * * * *
* * * * *
* * * * *
* * * * *
* * * * *



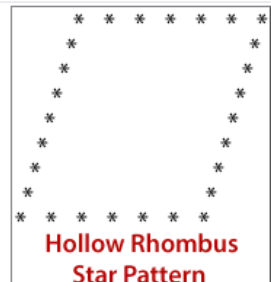
Square Star Pattern



Hollow Square Star Pattern with Diagonal



Rhombus Star Pattern



Hollow Rhombus Star Pattern



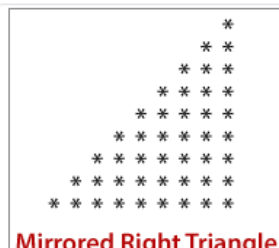
Mirrored Rhombus Star Pattern



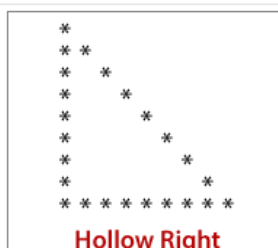
Hollow Mirrored Rhombus Star Pattern



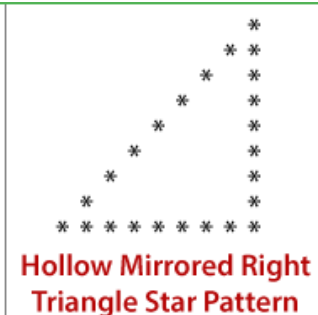
Right Triangle Star



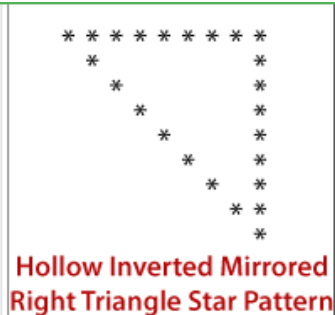
Mirrored Right Triangle



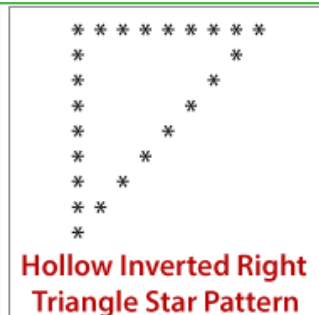
Hollow Right



Hollow Mirrored Right Triangle Star Pattern



Hollow Inverted Mirrored Right Triangle Star Pattern



Hollow Inverted Right Triangle Star Pattern



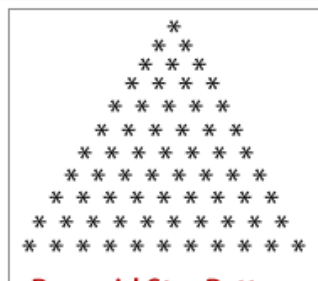
Inverted Right Triangle Star Pattern



Inverted Mirrored Right Triangle Star Pattern



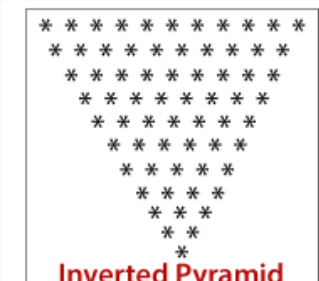
Hollow Square Star Pattern



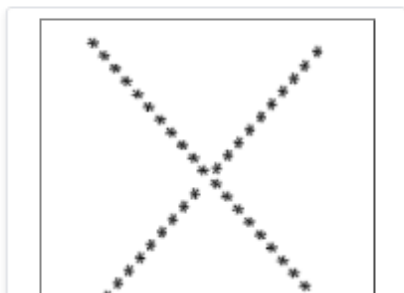
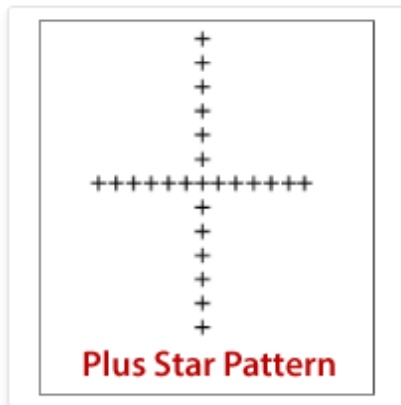
Pyramid Star Pattern



Hollow Pyramid



Inverted Pyramid



55.

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

56.

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

57.

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

58.

```
      1
     2 3 2
    3 4 5 4 3
   4 5 6 7 6 5 4
  5 6 7 8 9 8 7 6 5
```

59.

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

60.

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

61.

```
1
121
12321
1234321
123454321
```

62.

```
A
ABA
ABCBA
ABCD CBA
ABCDEDCBA
```

63.

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

64.

```
*****1*****
*****2*2*****
*****3*3*3*****
*****4*4*4*4*****
*****5*5*5*5*5***
```

65.

```
3
44
555
6666
555
44
3
```

66.

```
1
```

2*2
3*3*3
4*4*4*4
4*4*4*4
3*3*3
2*2
1

67.
1
2*3
4*5*6
7*8*9*10
7*8*9*10
4*5*6
2*3
1

68.

*
* 1 *
* 1 2 1 *
* 1 2 3 2 1 *
* 1 2 1 *
* 1 *
*

69.

1
0 1
1 0 1
0 1 0 1
1 0 1 0 1
0 1 0 1 0 1
1 0 1 0 1 0 1
0 1 0 1 0 1 0 1

70.

2
3 5
7 11 13
17 19 23 29
31 37 41 43 47

71.

10101
01010
10101
01010
10101

72.

10001
01010
00100
01010
10001

73.

1

11
121
1221
12221

74.

1
121
12321
1234321
123454321

76.

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

77.

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

78.

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

79.

Write A C Program to print all alphabate letter in Start Pattern (A – Z).

80. Write A C Program to print 0 to 9 number in Start Pattern

81. Write a C Progtam to Print your name in star pattern

