

1. Program to print maximum among two numbers.
  2. Program to print maximum among three numbers.
  3. Program to check whether a given number is divisible by 3 or not.
  4. Program to check whether a given number is divisible by 5 or not.
  5. Program to check whether a given number is divisible by 11 or not.
  6. Program to check whether a given number is even or odd.
  7. Program to check whether a year is a leap year or not.
  8. Program to check whether a given input is digit or not.
  9. Program to check whether a given input is the alphabet or not.
  10. Program to check whether a given number is a positive or negative number.
  11. Program to check whether a character is a vowel or consonant.
  12. Program to check whether a given character is uppercase or lowercase.
  13. Program to check whether a person is valid for vote or not?
  14. Write a programs to display "Hello" if a number entered by user is Multiple of 5 otherwise print "Bye"
  15. Write a programs to Display Last Digit OF Number
  16. Write a programs to check weather the last digit of number(Enter By user ) is divisible by 3 or not
  17. Write a programs to accept a number from 1 to 7 and display the name
  18. Write a program to check whether a person is a senior citizen or not.
  19. Accept the age of 4 people and display the youngest one.
  - 20.
21. Question Given in Below Images

**Q3. A company decided to give bonus to employee according to following criteria:**

Time period of Service	Bonus
<b>More than 10 years</b>	<b>10%</b>
<b><math>&gt;=6</math> and <math>&lt;=10</math></b>	<b>8%</b>
<b>Less than 6 years</b>	<b>5%</b>

**Ask user for their salary and years of service and print the net bonus amount.**

22. Question Given in Below Images

**Q2. Write a program to accept the cost price of a bike and display the road tax to be paid according to the following criteria :**

Cost price (in Rs)	Tax
> 100000	15 %
> 50000 and <= 100000	10%
<= 50000	5%

23. Question Given in Below Images.

**Q7. Write a program to accept two numbers and mathematical operators and perform operation accordingly.**

Like:

**Enter First Number: 7**

**Enter Second Number : 9**

**Enter operator : +**

**Your Answer is : 16**

24. Question Given in Below Images.

**Q6. Accept the kilometers covered and calculate the bill according to the following criteria:**

**First 10 Km                   Rs11/km**

**Next 90Km                   Rs 10/km**

**After that                   Rs9/km**

25. Write a 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

26. Write a 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. Python program to print all even numbers between 1 to 100 using a for loop.
28. Python program to print all odd numbers between 1 to 100 using a for loop.
29. Python program to print sum of all even numbers between 1 to 100 using a for loop.
30. Python program to print sum of all odd numbers between 1 to 100 using a for loop.
31. Python program to count the digits of a given number using for loop.
32. Python program to print the sum of digits of a given number using for loop.
33. Python program to check whether a given number is Prime or not using for loop.
34. Python program to print all Prime numbers between 1 to 100 using for loop.
35. Python program to find the sum of all prime numbers between 1 to 100 using a for loop.
36. Python program to check a given number is Armstrong or not using a for loop.
37. Python program to print all Armstrong numbers between 1 to n using a for loop.
38. Python program to check a given number is neon or not using a for loop.
39. Python program to check number is palindrome or not using for loop.
40. Python program to print Fibonacci series of a given number using for loop.
41. Python program to print all alphabets from a to z using for loop.
42. Python program to print all uppercase alphabets using for loop.
43. Write a programs to first 10 Even number using for loop
44. Python program to print all lowercase alphabets using for loop.
45. Write a programs to first 10 Even number using for loop in reverse order
46. Write a programs to print number from 1 to 20 except multiple 2 and 3

47. Please Solve All Pattern Programs Given in Below Images

1) 1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5

2) 1 1 1 1 1  
2 2 2 2 2  
3 3 3 3 3  
4 4 4 4 4  
5 5 5 5 5

3) 5 4 3 2 1  
5 4 3 2 1  
5 4 3 2 1  
5 4 3 2 1  
5 4 3 2 1

4) 5 5 5 5 5  
4 4 4 4 4  
3 3 3 3 3  
2 2 2 2 2  
1 1 1 1 1

5) x x x x x  
x x x x x  
x x x x x  
x x x x x  
x x x x x

6) 1 2 3 4 5  
6 7 8 9 10  
11 12 13 14 15  
16 17 18 19 20  
21 22 23 24 25

7) ABCDE  
F G H I J  
K L M N O  
P Q R S T  
U V W X Y

8) ABCDE  
A B C D E  
A B C D E  
A B C D E  
A B C D E

9) ABCDE  
A B C D E  
A B C D E  
A B C D E  
A B C D E

10) EDCBA  
EDCBA  
EDCBA  
EDCBA  
EDCBA

11) AAAAG  
BBB BB  
CCC CC  
DDD DD  
EEE EE

12) EDCBA  
EDCBA  
EDCBA  
EDCBA  
EDCBA

13) EEEEEE  
DDDDDD  
CCCCCC  
BBBBBB  
AAAAAA

14) 1 2 3 4 5  
1 2 3 4  
1 2 3 4  
1 2 3 4  
1 2 3 4 5

15) 5  
54  
543  
5432  
54321

16) 1 2 2  
3 3 3  
4 4 4 4  
5 5 5 5 5

17) 5  
54  
543  
5432  
54321

18) 1 2 2 2  
3 3 3  
2 2 2 2  
1 1 1 1 1

19) A B  
A B C  
A B C D  
A B C D E

20) E  
ED  
EDC  
EDCB  
EDCBA

21) ABCDE  
ABCD  
ABC  
AB  
A

22) ABCDE  
ABC  
AB  
A

23) EEEEEE  
DDDDDD  
CCCC  
BBB  
A

24) 1 2 3 4 5  
1 2 3 4  
1 2 3 4  
1 2 3 4  
1 2 3 4 5

25) ABCDE  
BCDE  
CDE  
DE  
E

26) 5 4 3 2 1  
4 3 2 1  
3 2 1  
2 1  
1

27) 1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5

28) ABCDE  
I H G F  
K L M N O  
T S R Q P  
U V W X Y

29) ABCDE  
a b c d e  
A B C D E  
a b c d e  
A B C D E

30) ABCDE  
F g h i j  
K L M N O  
P Q R S T  
U V W X Y

31) 1 0 1 0 1  
0 1 0 1 0  
1 0 1 0 1  
0 1 0 1 0  
1 0 1 0 1

32) x x x x x  
x x x x x  
x x x x x  
x x x x x

33) 1 2  
1 2 3  
1 2 3 4  
1 2 3 4 5

34) 1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5  
1 2 3 4 5  
1

$$35) \quad \begin{array}{r} 1 \\ 12 \\ 123 \\ 1234 \\ 12345 \end{array}$$

36)	S	(3A)	X
	45		XX
	345		XXX
	2345		XXXY
	12345		XXXXX

(38)	1	2	3	4	5
	2	3	4	5	
	3	4	5		
	4	5			
					5

39

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

(4) 54321  
5432  
543  
54  
5  
54  
543  
5432  
54321

41

$$\begin{array}{r}
 & & 5 \\
 & 4 & 4 \\
 3 & 3 & 3 \\
 2 & 2 & 2 \\
 \hline
 1 & 1 & 1 & 1
 \end{array}$$

(42) 1111  
2222  
333  
44  
5

43)

XXXXXX  
XXXXXX  
XXXX  
XX  
X

44

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

45

12  
123  
1234  
12345  
1234  
123  
12

46  


43

X  
XX  
XXX  
XXXX  
XX XXXX  
XXX XXX  
XX X X  
XX  
X

$$\begin{array}{c} 49 \\ \textcircled{50} \\ 5 \end{array} \quad \begin{array}{r} 1 \\ 2 \\ 3 \\ 4 \\ 5 \end{array}$$

51

$$\begin{array}{ccccc} \textcircled{51} & & 2 & 2 & \\ & 3 & & & 3 \\ & 4 & & & 4 \\ 5 & & & & 5 \end{array}$$

52

$x$        $x$        $x$       (53)

✗ ✗ ✗ ✗ ✗  
✗ ✗ ✗ ✗ ✗  
✗ ✗ ✗ ✗ ✗  
✗ ✗ ✗ ✗ ✗  
✗ ✗ ✗ ✗ ✗

(54) x x x x  
x x x x  
x x x x

55

$$\begin{array}{ccccccc} & & & 1 & 2 & 3 & 4 \\ & & 2 & 3 & 4 & 5 & 6 \\ & 3 & 4 & 5 & 6 & 7 & 8 \\ 5 & 6 & 7 & 8 & 9 & 10 & 11 \end{array}$$

56

)  
x x x  
x x x  
x x x  
x x x  
x x x  
x x x  
x x x  
x x x

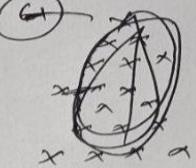
58

0  
0 1  
0 1 1  
0 1 1 2  
0 1 1 2 3

(8) 121  
12321  
1234321  
12345321  
12345654321

59) ABA  
 AB CBA  
 ABCDCBA  
 ABCD EDCBA  
 ABCDEFEDCBA

$$\textcircled{B} \quad \begin{array}{r} 333 \\ 55555 \\ 7277777 \\ \hline 999999999 \end{array}$$



6) 

(G2)

(G3)      12345 54321  
        1234        4321  
        123            321  
        12             21  
        1              1

A hand-drawn diagram consisting of a large triangle formed by a series of smaller triangles. The top triangle has vertices at the top center and two points on the left edge. It contains three 'X' marks. Below it is a row of five triangles, each containing one 'X'. This pattern repeats, creating a total of 15 'X' marks arranged in a triangular grid.

65

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

(66) AAAAAAAA  
BBBBBBBB  
CCCCC  
DDD  
E  
DDP  
CCCCC  
BBBBBBB  
GAAAAAAA

$$\begin{array}{c}
 (69) \quad \begin{array}{ccccc} & & 1 & 1 & \\ & & | & | & \\ & & 2 & & \\ & & | & & \\ & & 3 & & \\ & & | & & \\ & & 4 & & \\ & & | & & \\ & & 5 & & \end{array} \\
 \begin{array}{ccccc} 1 & 2 & 3 & 4 & 5 \end{array}
 \end{array}$$

(70) x x x x x x x x

$$\begin{array}{cccccc}
 & & & 5 \\
 & & 4 & 4 \\
 & 3 & 3 & 3 \\
 81 & 2 & 2 & 2 \\
 & 1 & 1 & 1 & 1 \\
 & 2 & 2 & 2 & 2 \\
 & 3 & 3 & 3 \\
 & 4 & 4 \\
 & 5
 \end{array}$$

48. s

49. a

50. d

51.