

Write given program in C

1. Sum of digit.

i/p1: 123 o/p1: 6

i/p2: 246 o/p2: 12

2. Sum of odd digit.

i/p1: 123 o/p1: 4

i/p2: 246 o/p2: 0

3. Sum of digit more than 5.

i/p1: 123 o/p1: 0

i/p2: 246 o/p2: 6

4. Sum of digit less than 7.

i/p1: 123 o/p1: 6

i/p2: 276 o/p2: 8

5. Sum of digit in b/w 3 to 8 .

i/p1: 123 o/p1: 3

i/p2: 276 o/p2: 13

6. Count digit in num .

i/p1: 123 o/p1: 3

i/p2: 2076 o/p2: 4

7. Count odd digit in num.

i/p1: 123 o/p1: 2

i/p2: 2076 o/p2: 1

8.Count even digit more than 4

i/p1: 123 o/p1: 0

i/p2: 2076 o/p2: 1

9. Count odd digit more than 3 and less than 8 .

i/p1: 963 o/p1: 1

i/p2: 2086 o/p2: 0

10.Count even digit b/w 1 to 7

i/p1: 963 o/p1: 1

i/p2: 2686 o/p2: 3

11. Sum of even digit .

i/p1: 963 o/p1: 6

i/p2: 2786 o/p2: 16

12. Sum of last 3 digit .

i/p1: 9631 o/p1: 10

i/p2: 2786 o/p2: 21

13. Sum of last 3 odd digit .

i/p1: 96312 o/p1: 13

i/p2: 57235 o/p2: 15

14. Print last 3 digit from last .

i/p1: 96412 o/p1: 2 1 4

i/p2: 56725 o/p2: 5 2 7

15. Print 1st digit .

i/p1: 9642 o/p1: 9

i/p2: 56725 o/p2: 5

16. Reverse number .

i/p1: 963 o/p1: 369

i/p2: 2786 o/p2: 6872

17. Reverse odd digit in num .

i/p1: 963 o/p1: 39

i/p2: 27851 o/p2:157

18. Reverse last 2 digit .

i/p1: 963 o/p1: 36

i/p2: 27851 o/p2: 15

19. Reverse digit more than 5.

i/p1: 963 o/p1: 69

i/p2: 27851 o/p2: 87

20. Reverse digit more than 4 and less than 8.

i/p1: 963 o/p1: 6

i/p2: 27851 o/p2: 57

21. Sum of 1st 3 digit .

i/p1: 96321 o/p1: 18

i/p2: 2786 o/p2: 17

22. Sum of 1st 3 odd digit .

i/p1: 93321 o/p1: 15

i/p2: 277637 o/p2: 17

23. Print 2nd last digit .

i/p1: 96412 o/p1: 1

i/p2: 725 o/p2: 2

24. Print middle digit .

i/p1: 96412 o/p1: 4

i/p2: 1725 o/p2: 2 or 7

25. Print 1st odd digit from end.

i/p1: 96412 o/p1: 1

i/p2: 1725 o/p2: 5

26.Print 1st odd digit from start.

i/p1: 64512 o/p1: 5

i/p2: 41725 o/p2: 1

27. Sum of 1st and last digit .

i/p1: 93321 o/p1: 10

i/p2: 277637 o/p2: 9

28. Sum of 1st and 2nd last digit of given any int num .

i/p1: 93321 o/p1: 11

i/p2: 277637 o/p2: 5

Write above program in c

1. using goto

2. using while loop

3. using do-while loop

4. using for loop .

[28+28+28+28 --> 112]

112 program write on book .

Write 15 Basic Program in C without any loop or goto .

1. Sum of 2 different number
i/p: int a=10,b=20
o/p: int c=30;
2. Sum of only 2 digit number.
i/p : 56 o/p: 11
3. Reverse 2 digit number .
i/p : 12 o/p: 21
4. Sum of 3 digit number .
i/p : 123 o/p : 6
5. Delete last 2 digit of num .
i/p : 4567 o/p : 45
6. Print ascii,hex,oct of char
i/p: char ch ='c';
o/p: 99 63 143
7. **Math Formula .**
 $(a + b)^2 = a^2 + 2ab + b^2$
. i/p : a = 9 , b= 2
o/p : 121
8. **Math Formula .**
 $(a + b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$
i/p : a = 2 , b= 3
o/p : 125
9. Set 3rd and 4th bit in num
i/p: int n= 51 o/p : 59
10. Clear 3rd and 2nd bit in num
i/p: int n= 63 o/p: 51
11. Toggle 1st and 4th bit in num
i/p: int n= 42 o/p: 56
12. Delete 0th bit in num .
i/p: int n= 170 o/p: 85
13. Delete 2nd bit in num .
i/p: int n= 39 o/p: 19
14. Delete 5th bit in num .
i/p: int n= 99 o/p: 35
15. Delete 5th , 6th bit in num .
i/p: unsigned int n= 1000
o/p : n= 232

Write 20 Basic Program in C using for loop ,goto,while loop.
20+20+20 -> 60 Program

1. Print factorial of 5 .
o/p: 120 (5*4*3*2*1)
2. Print factor of 12.
o/p: 1 2 3 4 6 12
3. Print 3 to power 4 .
o/p: 3*3*3*3 // 81
4. Count factor of 12 .
o/p: count = 6
5. Count , print factor of 11 .
o/p: count = 2 // 1 11
- 6.. Print even factor of 512.
7. Print all odd factor of 900.
8. Check num is prime or not.
9. Check num is perfect or not.
10. Sum of digit of number .
11. Reverse number .
12. Check num is palindrome .
13. Print alternate odd number between 21 to 39.
o/p: 21 25 29 33 37
14. Print given series .
1 2 4 7 11 16 22
15. Print given series .
-13 -8 -4 -1 1 2.
16. Print given series .
2 9 28 65 126 217
17. Count set bit in num.
18. Print binary of char .
19. Swap first byte with 3rd byte.
20. Swap first and 3rd nibble .

Write given 10 pattern program using nested for loop, while loop
10+10 --> 20 Program

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

if you found any mistake or doubts in any question send mail to pawan.ky@vectorindia.org

112+15+60+20 --> 207 Program