

## Assignment On Digit

1. Write a program that accepts a number from the user, sums its digits, and displays them in the following format.

Input : 795

Output: 7+9+5 =21

2. Write a program which accept number from user and return multiplication of all digits

Input : 52431

Output : 120

3. Write a program which accept number from user and return the count of digits.

Input : 486511

Output : 6

4. Write a program which accept number from user and return the count of even digits.

Input : 24678

Output : 4

5. Write a program which accept number from user and return the count of odd digits.

Input : 132579

Output : 5

6. Write a program which accept number from user and return the count of Even, Odd, Zeros digits.(Use Loop Once)

Input : 58405407

Output : E = 3 , O = 3 , Z = 2

7. Write a program which accept number from user and return difference between summation of even digits and summation of odd digits.

Input : 52431

Output : -3                      (6 - 9)

8. Write a program which accept number from user and Display Max digit in it.

Input: 5873

Output: The maximum digit is: 8

9. Write a program which accept number from user and Display Min digit in it.

Input: 9375

Output: The minimum digit is: 3

## Assignment On Digit

10. Write a program which accept number from user and Count Zeros in it.

Input: 10020  
Output: 3

11. Write a program which accept number from user and count frequency of 2 in it.

Input : 8251            Output : 1  
Input : 122422        Output: 4

12. Write a program which accept number from user and check whether it contains 2 in it or not.

Input : 8135            Output : There is no Two  
Input : 102122        Output: It Contains Two

13. Write a program which accept number from user and count frequency of User Entered digit in it.

Input: Enter a number: 928455  
Enter a digit to count: 5  
Output: The digit 5 appears 2 times.

14. Write a program which accept 5 digits number from user and if it is digit 5 number display its Sum otherwise invalid input.

Input: 81355  
Output: The sum of digits is: 22

Input: 928455  
Output: invalid input

15. Write a program which accept number from user and if display its Reverse Number. (with new variable for storing reverse)

Input: Enter a number No: 5482 ; Rev : 0  
Output: No : 5482 ; Rev :2845

16. Write a program which accept 4 digits number from the user and if it is 4 digits number display its Reverse Number otherwise iterate till user enters 4 digits number.

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17. Write a program which accept number from user and check whether it is Palindrome or not.  
(use a separate reverse variable to compare)

Input: 121

Output: The number is a palindrome.

Input: 3443

Output: The number is a palindrome.

18. Write a program which accept number from user and check whether it is Palindrome or not.  
(Don't Use reverse variable for storing reverse & don't reverse given no as well )

Input: 56765

Output: The number is a palindrome.

19. Write a program which accept number from user and if display its Reverse Number. (In place reverse don't use reverse as separate variable)

Input: No = 5482

Output: No = 2845

20. Write a program which accept number from user and display its digits in reverse order.

Input: 5482

Output: 5

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