

WORK LIST

1. Addition of two numbers.
2. Enter a price of an item and calculate net amount after 15% discount.
3. Enter a price and calculate how many currency note will require for that amount.
Currency notes are Five , Ten, Twenty, and Fifty Rupees.
4. Calculate the area of a triangle.
5. Calculate the area and circumference of a circle
6. Interchange two numbers without using third variable.
7. Calculate average of 5 numbers.
8. Enter a number and check whether it is positive or negative.
9. Enter a number and check whether it is greater than 10 or less than 10 or equal to 10.
10. Larger of two numbers
11. Largest of three numbers.
12. Smaller of two numbers
13. Enter a number and display it is odd or even.
14. Enter a number and display whether it is divisible by 7 or not.
15. Enter two number and check whether the first number is divisible by second number or not.
16. Enter three numbers and display the second largest number.
17. Enter a number and check to which group the number will belong. The groups are 0 – 9, 10 –19, 20 –29.
18. Enter a character and display it is vowel or consonant.
19. Enter mark of three subjects of a student. Calculate percentage and display his result.
Percentage ≥ 60 first division, percentage ≥ 45 second division.
20. Calculate average of any five number.
21. Calculate average of the numbers between 1 to 20.
22. Calculate average of N numbers. Value of N will be entered from keyboard.
23. Calculate average of the numbers between M and N. Value of M and N will be entered through keyboard.
24. Calculate average of 10 natural number from M. Value of M will be entered from keyboard.
25. Calculate $S=1+3+5+7+9+11$.
26. Calculate $S=1+3+5+-----+N$.
27. Count the number of digits in a given number. For example in 3217 four digits are there.
28. Add all digits of a number. For example 3217 , result will be $(3+2+1+7)=13$.
29. Count total odd and even digits in a given number. For example 3217 odd digits are 3,1,7 and even digits is 2.
30. Check Armstrong number. A number is Armstrong when addition of quibic value of each digit will be same with the original number. For example 153.
31. Reverse a number. Example 3217, result will be 7123.
32. Check a word is palindrome or not. A word is palindrome when reverse form of the word will be same with the origin one. For example MADAM, MALAYALAM.
33. Display all factors of a number.
34. Calculate factorial of a given number.
35. Check prime number. A number is prime when it has no factor except 1 and the number itself.
36. Display largest and smallest factor of a given number.
37. Display all the number between 1 to 20 which has only one factor excluding 1 and number itself
38. Display all the number between 1 to 20 which has only two factors excluding 1 and number itself.
39. Display all the prime number between 1 to 20.
40. Display 10 prime numbers from 5.
41. Display all prime factors of a given number.
42. Display all common factors of two numbers.
43. Display largest and smallest common factor of two numbers.
44. Generate fibonacci series up to given term.
45. Enter a number and check whether it is fibonacci number or not.
46. Calculate X^Y (using function and recursive function)
47. Calculate square root of a number

48. Calculate frequency of digits in a number.
49. Convert binary number to its decimal equivalent.
50. Enter a number and base value. Convert the number to the given base.
51. Count no. of characters in a word.
52. Reverse a word.
53. Display all vowel and consonant characters separately of a given word.
54. Check palindrome without using second array.
55. Check pandrom sentence. A sentence is pandrom if it contains all 26 characters.
56. Count number of word in a sentence.
57. Count number of alphabets, white space and punctuation characters in a sentence.
58. Reverse all words in a sentence without changing their position. For example AB CDE FG result will be BA EDC GF.
59. Convert upper case character to lower case.
60. Search a given character in a word and display the corresponding position.
61. Delete a character in a given position from a word.
62. Delete a given character from a word.
63. Insert a character in a given position of a word. For example word is ABCDE. If we insert P in 2nd position then result will be APBCDE.
64. Delete a word from a sentence.
65. Insert a word in a given position of a sentence.
66. Count how many time a word appears in a sentence.
67. Display pascal triangle.
68. Calculate 1's and 2's complement of a binary number using bitwise operator.
69. Check a particular bit whether it is ON or OFF using bitwise operator.
70. Convert OFF bit to ON bit and reverse using bitwise operator.
71. Calculate 2's and 10's complement of a number
72. Check whether a key pressed from the keyboard is alphabet, digit or punctuation character.
73. Matrix addition, Multiplication and transpose.
74. Check unit matrix.
75. Check magic matrix
76. Create a structure to store ROLLNO, NAME and MARK of three subjects. Calculate and display the percentage.
77. Create a structure to store ROLLNO, NAME, and MARK of three subjects of N students. Calculate total mark for each student and display ROLLNO, NAME of that student who got highest total mark.
78. Sort numbers using SELECTION, INSERTION, BUBBLE.
79. Write a function to calculate factorial of a given number. The number will be entered in MAIN function, pass it to the function , calculate factorial inside that function and return result to MAIN and display.
80. Write a function to compare two strings.
81. Write a recursive function to calculate the sum of first N numbers.
82. Write a recursive function to calculate factorial of a number.
83. Write a recursive function to generate fibonacci series up to given term.
84. Write a recursive function to reverse a word.
85. Write a recursive function to count no. of character in a given word.
86. Write a recursive function to calculate sum of all the digits in a number.
87. Display a four digits number which has 1st and 2nd digit same and 3rd and 4th digit same. For example 1122, 2244, 3399.
88. Display all the number which is same with the multiplication result of all factor except 1 and number itself. Example $6=2*3$, $8=2*4$.
89. Display digital clock.
90. Enter a year and check whether it is leap year or not.
91. Enter a number and display in word. For example 253 is Two hundred Fifty Three.
92. Enter a number and display its Roman Equivalent.