

Numbers- 1st Level

1. Write a program to read the number from user and check number is even or not.
2. Write a program to read the number from user and check number is odd or not
3. Write a program to read the numbers from user and sum of even numbers and odd numbers
4. Write a program to print the numbers from 1-10
5. Write a program to print the numbers from 10-1.
6. Write a program to find the Factorial of a number.
7. Write a program to read the number from user and check given number is Prime or not
8. Write a program to Reverse a number.
9. Write a program to read the number from user and check given Number palindrome or not.
10. Write a program to swap 2 numbers using 3rd variable.
11. Write a program to swap 2 numbers without using 3rd variable.
12. Write a program to read the number from user check given number is Strong number or not.
13. Write a program to find the sum of the factorial of digits of given number
14. Write a program to find the sum of digits of a given number.
15. Write a Program to validate whether the read number is an Armstrong number or not
16. Write a Program to obtain the GCD of the given number
17. Write a Program to divide the given number
18. Write a Program to multiply any two number
19. write a program to print multiplication table
20. write a program to print quotient and remainder for given number

Numbers- 2nd Level

21. Write a Program to validate whether the read number is odd or even without using modulus or loop(integer No)
22. Write a Program to validate whether the read number is prime fibo or prime happy or Only prime
23. Write a Program to convert Decimal number to Binary number
24. Write a Program to convert Decimal number to Octal number
25. Write a Program to convert Decimal number to Hexadecimal number
26. Write a Program to convert Binary number to Decimal number
27. Write a Program to convert Octal number to Decimal number
28. Write a Program to convert Hexadecimal number to Decimal number
29. Write a program to check a how many Zeros And ones are there in given number
30. Write a program to find Sum of cubes of each digit in given number.

Arrays

- 1)Write a Program to obtain even numbers from an array
- 2)Write a Program to obtain add numbers from an array
- 3)Write a Program to obtain 3rd max from an array
- 4)Write a Program to obtain 2nd least value in the array
- 5) Write a program to reverses an Array without using another array
- 6) 1st biggest and 2nd biggest element from a given Array with out sorting
- 7) Sum and Avg of Array Elements
- 8) 1st least and 2nd least element from a given Array with out sorting
- 9)write a program to find the sum of even position and odd position element
- 10)INSERT the element into existing Array in Specified position
- 11)DELETE the element from existing array in specified position
- 12)Merge two array in zig zig manner
- 13)Find the common elements in two arrays
- 14) Find the distinct elements in two arrays

Strings

- 1) write a program to convert lowercase to uppercase use only use toCharArray()
ex=welcome to jspiders
o/p=WELCOME TO JSPIDER
- 2) write a program to convert uppercase to lowercase use only toCharArray()
ex=WELCOME TO JSPIDER
o/p=welcome to jspiders
- 3) write a program to count number of words in senates, Stating and ending Space is hear
ex=" Shekar went to jspiders with friends "
o/p=5;
- 4) write a program to display the Sentence in INITCAP manner
ex="welcome to jspiders and qspiders"
o/p=Welcome TO Jspider And Qspider
- 5) Write a Program to reverse a sentence , use only toCharArray
EX:'WELCOME TO TYSS'
O/p:'SSYT OT EMOCLEW'
- 6) Write a Program to reverse the words in a sentence use only toCharArray()
EX: WELCOME TO TYSS
O/P: EMOCLEW OT SSYT
- 7) Write a Program to reverse a sentence but retain the position of special characters if they are present (Include Space as special character)
EX:'WE@LCOME TO# TYSS'
O/P:'SS@YTOTE MO# CLEW'
- 8) Write a Program to add a special character whenever the given character is found in the string
if 'e' add #
if 'f' add @
If 'L' add !
If 'w' add \$
EX:I/P 'WECOME TO TYSS'
O/P 'W\$E#L!OME# TO TYSS'

Jspiders And Qspiders Banasawadi(Hebbal)

9)Write a Program to count the number of vowels ,constants ,and number of words starting with vowel, number of words starting with constant ,total only tochar array

10)write a Program to find the length of String without using length()

Ex=I love java programming

o/p= 23

11) write a program to check the substring present in main String, only use toCharArray()

main String=I love India and mom, I love java and I love j2ee also

Substrings=love

o/p=yes love is present in main String

main String=I love India and mom I love j2ee and I love sql also

Substring=life

o/p=No life is not present in main String

12)Write a program to remove the special character from the given string except space ,remove the space if have a more then one space, don't use inbuilt in methods

13)Write a Program to justify and prove String Objects are immutable in JAVA

14)Write a Program to sort the characters of the given string without using inbuilt function

15)Write a program to Retrieve Digit for give String ,don't use parseInt(), use only toCharArray();

Ex=Shekarbn123@456@gmail.com

o/p=123456

16) Write a Program to find the permutation of given word

Ex:"ABC"

o/p ABC,ACB,BAC,BCA,CAB,CBA