

1. prepare a code to check the voters eligibility. Take a variable int age. if age is greater than 18 print. "eligible" else print " not eligible".
2. Create a code to check the length of a string = "Hi I'm learning in PFE, I will become a developer". Now if the length is greater than 28 change the string to "I will become a developer". and print "Successfully changed."
3. Change two strings with using third variable
4. Change 2 strings without using third variable.
5. Create a Java program to print your details, like name, address, phone number, blood group etc.
6. Create a Java program to change the value of a given variable, for example a is initialized as 10 and make it to 20.
7. Write a Java program to print the sum of three numbers.4
8. Write a Java program to print square of a number.
9. Write a java program which initializes a variable name and greets with "Hello , have a good day
10. Try to understand what happens when type casting is done from char to int and int to char (Hint: Ascii Values)
11. Try to print the length of you name and full name, and then print the difference between the characters of the first name and last name. For example: F_name - Nilkanth L_name - Java Output for the above should be 4.
12. Check what is the number of letter for "K" String: ABCDEFGHIJKLMNOPQRSTUVWXYZ
Example: for D number should be 4
13. Concatenate two Strings Example for two Strings:: String a= Nilkanth String b= Java Output- NilkanthJava
14. Concatenate one String and one integer. Example for one String and two integer: String a = Nilkanth int b = 6197 int c = 1234 Output: Nilkanth619712344
15. Print the mathematical table for 5.
16. Write a program in Java to find the first 10 natural numbers. Sample output:The natural numbers are:1 2 3 4 5 6 7 8 9 10
17. Write a program to find the factorial value of any number entered through the keyboard. (Using for and while)
18. Print first 30 even numbers and the total of them.

19. Print the below pattern.

Write a program to print following :

```
i)  *****
     *****
     *****
     *****

ii) *
    **
   ***
  ****
 *****

iii)      *
        **
       ***
      ****
     *****

iv)      *
        ***
       *****
      *****
     *****
    *****

v)      1
       222
      33333
     4444444
    555555555

vi)      1
       212
      32123
     4321234
    543212345
```

20. Write a Java program to calculate the average value of array elements
21. Write a Java program to test if an array contains a specific value.
22. Write a Java program to compute the average value of an array of integers except the largest and smallest values
23. Write a Java program to convert minutes into a number of years and days. Test Data Input the number of minutes: 3456789 Expected Output : 3456789 minutes is approximately 6 years and 210 days
24. Write a Java program to break an integer into a sequence of individual digits. Test Data Input six non-negative digits: 123456 Expected Output : 1 2 3 4 5 6
25. Prepare a basic calculator mechanism using a switch in java. Addition, subtraction, multiplication, division, squared.
26. Find area of the triangle, rectangle, circle.
27. Print the below pattern

1234

123

12

1

28. Print the below pattern

ABCD

EFG

HI

J

29. Write a Java program to calculate the average value of array elements
30. Write a Java program to test if an array contains a specific value.
31. Write a java program to find the maximum number in an array.
32. Write a java program to identify if a string is palindrome. Palindrome is a type of string which when reversed is also the same Example: Bob
33. Take the value of three sides of a triangle and identify if it is an equilateral, scalene, isosceles.
34. Sort an array of integers using Java.
35. Check if a array of integers contains only odd numbers?
36. In example 5 if it has even numbers then print the even numbers in the array
37. How to merge two lists in java? Example: String1 = "mei hun gian" String2 = "mei hun bada takatwar" Output = mei hun gian mei hun bada takatwar
38. Generate a random number in Java and check if it is a prime number. Random numbers are generated using random method
39. Write a code to find a greatest two nos.
40. Write a code to test whether an entered no is + or –
41. Write a code that prints “True” when entered no is divisible by 10 and 12 both.
42. Write a code that prints “ true “ if entered string is equal to a predefined variable
e.g tr=“test”
entered string=“test”
“true”/false
43. Write a code to check if entered year is leaf year or not.
44. Take an int input from user and return negation of that.
E.g.
Input 3 -4
Output -3 4
45. Take an input as char from the user and print its ASCII value.
46. Take input as ASCII value from user ,if input is an valid ASCII value print its char valve. Else print “invalid entry”.
47. Write a java program to convert temp in Fahrenheit to Celsius
Sample o/p:
Convert temperature in Fahrenheit to Celsius:
Input the temp in fahrenheit:95
The temp in Fahrenheit: 95
The temp in Celsius: 35
48. Write a java program that cal. the volume of cube
Sample o/p:
Input the side of a cube: 5
The volume of a cube is : 125
49. Write a java program to find the third angle of triangle.
Sample output:
Find the third angle of triangle:
Input the 1st angle of the triangle: 30
Input the 2nd angle of the triangle: 60
The 3rd of the triangle is : 90
50. Write a program to a print a dress of a pointers to variable whose value is input from the user.

51. Make two point variable assign A to B and B to A
52. Write a program to find factors of a no.
53. Write a program to find prime factor of a no.
54. Find check if a no is palindrome using recursion.
55. Write a program to sort an array in ascending order.
56. Write a program to rotate an array in one bit .
57. Write a program to find average of array.
58. Write a program to find mean medium and mode.
59. Write a program to change letter uppercase to lowercase and lowercase to uppercase.
60. Write a program to take any input 0 to 9 and prints all the possible combination that become the no that is the input.
N=5
S=2
61. Write a java program that accept the sales unit price and sales quality of various items and compute the total sales amount and average sales quality.
62. Write a program to cal. The average of first n prime no.
63. Write a java program to sum all the positive integers in strings
64. Write a java program that cal. No .of spaces in a string.
65. Write a java program to cal. The area of a equilateral triangle.
66. Write a java program to enter principle time, rate of interest.
67. Write a java program to reverse a string .
68. Write a java program that will find distance between two points on earth.
69. Write a program to cal. Volum of cylinder.
70. Write a program to cal. Area of hollo cylinder.
71. Write a program to enter PTR and that return compound interest (principle, time ,rate)
72. Write a program to find that highest value in array?
73. write a java program to cal. The area of a equilateral triangle.
74. Write a java program to enter principle time rate of interest and cal. Total amount.
75. Write a java program to reverse a string.
76. Write a program to cal. The volume of cylindrical.
77. Write a program to cal. The circumference of cylindrical. #include <iostream
78. Write a program to cal. The area of hollow cylinder.
79. Write a program to enter principle , time ,rate (PTR) and cal. The compound interest.
80. Write a program to find (mean, meadiun)
81. Write a program to find the average value of an array
82. Write a program that cal. The no of spaces in string.
83. WAP to add a all digit between to given integer
84. WAP that will take any input between 0 to 9 an prints all the possible combinations that becomes the no. given as after adding the two i/ps
85. 9 WAP to find highest val. Of an array
86. WAP to replace a lower case using upper case and upper case using lower case without using string library.
87. WAP to find factors of a no
88. WAP to rotate an array by 1 bit.
89. WAP to find prime factor of a no.
90. Write a function that takes a number as input and returns the Fibonacci number at that position.
91. Write a function that takes a string as input and returns the number of vowels in that string.

92. Write a function that takes an array of numbers as input and returns the number of prime numbers in that array.
93. Write a function that takes a string as input and returns the number of times that a given substring appears in that string.
94. Write a function that takes an array of numbers as input and returns the median value in the array.
95. Write a function that takes an array of numbers as input and finds the smallest subarray with a given sum.
96. Write a function that takes a string as input and checks if the string is a valid Roman numeral.
97. Write a function that takes a string as input and returns the number of times that a given substring appears in that string, even if the substring overlaps itself.
98. Write a function that takes a string as input and returns the longest substring that does not contain any repeated characters.
99. Write a function that takes a string as input and checks if the string is a valid binary number.
100. Write a function that takes a string as input and returns the number of times that each character appears in that string.