

V Semester JAVA

Program List for the Academic Year 2020-21

1. Write a program to find the distance between two points.
2. Write a program to find the sum, difference, product, quotient and remainder of two numbers passed as command line argument.
3. Write java program to display Fibonacci series up to a limit.
4. Write java program to display Armstrong numbers within a range.
5. Given the sides of a triangle, write a program to check whether the triangle is equilateral, isosceles or scalene and find its area.
6. Read an array of 10 or more numbers and write a program to find the
 - a) Smallest element in the array
 - b) Largest element in the array
 - c) Second largest element in the array
7. Write a program to perform base conversion
 - a) Integer to binary
 - b) Integer to Octal
 - c) Integer to Hexadecimal
8. Write a program to merge two arrays.
9. Write a program to track keyboard events on an applet.
10. Create a class student with methods to read and display the student details. Create a derived class result with methods to read marks of 5 subjects. Write a java program to display the total and grade of students, creating objects of class result.
11. Write a program to find the trace and transpose of a matrix.
12. Write java program to find the sum of the digits and reverse of a given number using class and objects.
13. Create an AWT application to add, remove items in a list
14. Write a program to demonstrate the order in which constructors are invoked in multilevel inheritance
15. Using class and objects, write a java program to find the sum of two complex numbers (Hint: Use object as parameter to function).
16. Write a program to count and display total number of objects created to a class (Hint: static members).
17. Write a java program to find the volume of cube, rectangular box, cylinder using function overloading.
18. Write a program to sort a set of n numbers using a class.
19. Write a multi thread java program for displaying odd numbers and even numbers up to a limit (Hint: Implement thread using Runnable interface).
20. Create an applet for displaying smiling face.