

Lab Exercises:

1. Write a program to add two input numbers and display the result by printing it out on the console. Use a main method and pass arguments from the command line prompt. (Java Language Constructs)
2. Understand the usage of as many keywords as possible by writing a program to demonstrate the same. (Java Language Constructs)
3. Write a program/multiple programs to illustrate the usage of the following: if statement, for loop(simple and enhanced), while loop, do-while loop, switch statement. Use simple logic such as addition of numbers. (Control Constructs)
4. Write programs to illustrate encapsulation, inheritance, polymorphism, overriding, overloading, interfaces. (OO concepts)
5. Write a program/multiple programs to illustrate the usage of the following operators: +, -, *, /, %, =, ==, !=, ++, --, >, <, >=, <=, &, |, ^, ||, &&, !, &=, |=, ^=, ?:, String concatenation operator (+). (Operator basics)
6. Write a program which uses a try block, multiple catch blocks and a finally block. Use specific exceptions first followed by generic ones, then interchange the usage to see the difference. (Exception Handling)
7. Write a program which uses the Java utility classes from the java.util and java.math packages.(Framework Utility classes)
8. Apply sun java coding standards on all the programs written so far. Identify the most common non-adherances and inconsistencies.