

SUBJECT : PROGRAMMING IN JAVA – PRACTICAL
SUBJECT CODE: 18CSU211

SEMESTER: II
CLASS: IB.Sc.CS -A & B

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LIST OF PRACTICAL

1. To find the sum of any number of integers entered as command line arguments
2. To find the factorial of a given number
3. To learn use of single dimensional array by defining the array dynamically.
4. To learn use of length in case of a two dimensional array
5. To convert a decimal to binary number
6. To check if a number is prime or not, by taking the number as input from the keyboard
7. Write a program that show working of different functions of String and StringBuffer classes like `setCharAt()`, `setLength()`, `append()`, `insert()`, `concat()` and `equals()`.
8. Write a program to show that during function overloading, if no matching argument is found, then java will apply automatic type conversions (from lower to higher data type)
9. Write a program to show the difference between public and private access specifiers. The program should also show that primitive data types are passed by value and objects are passed by reference and to learn use of final keyword
10. Write a program to demonstrate the concept of boxing and unboxing.
11. Write a program – `DivideByZero` that takes two numbers a and b as input, computes a/b, and invokes Arithmetic Exception to generate a message when the denominator is zero.
12. Write a program to demonstrate priorities among multiple threads.
13. Write a program that creates a Banner and then creates a thread to scrolls the message in the banner from left to right across the applet's window.
14. Write a program to demonstrate different mouse handling events like `mouseClicked()`, `mouseEntered()`, `mouseExited()`, `mousePressed()`, `mouseReleased()` and `mouseDragged()`.
15. Write a program to demonstrate different keyboard handling events.