**Note: Please cross verify with others in the group before following this index**

| Sr No. | Topic | Date |
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| 1a | Write a Java program that takes a number as input and do as follows:  a. Prints its multiplication table up to 10.  b. Check whether the number is palindrome or not  c. Sum of its individual digits. | 01/12/22 |
| 1b | Java program to display patterns of numbers, alphabets and symbols. | 01/12/22 |
| 1c | Write a menu driven program to print the area or perimeter of a circle as per the users choice. | 13/12/22 |
| 2a | Write a Java program to add two binary numbers. | 13/12/22 |
| 2b | Write a Java program to convert a decimal number to binary number and vice versa. | 13/12/22 |
|  |  |  |
| 2c | Write a Java program to reverse a string. | 13/12/22 |
| 3a | Write a Java program to count the letters, spaces, numbers and other characters of an input string. | 27/01/23 |
| 3b | Implement a Java function that calculates the sum of digits for a given char array consisting of the digits '0' to '9'. The function should return the digit sum as a long value | 27/01/23 |
| 3c | Find the smallest and largest element from the array | 27/01/23 |
| 4a | Design a class SortData that contains the method asec() and desc(). | 27/01/23 |
| 4b | Design a class that demonstrates the use of constructor and destructor | 28/01/23 |
| 4c | Write a java program to demonstrate the implementation of abstract class. | 28/01/23 |
| 5a | Write a java program to implement single level inheritance | 28/01/23 |
| 5b | Write a java program to implement method overriding | 10/02/23 |
| 5c | Write a java program to implement multiple inheritance | 03/02/23 |
| 6a | Create a package, Add the necessary classes and import the package in java class | 10/02/23 |
| 6b | Write a java program to add two matrices and print the resultant matrix. | 03/02/23 |
| 6c | Write a java program for multiplying two matrices and print the product for the same. | 03/02/23 |
| 7a | Write a java program to implement the vectors. | 24/02/23 |
| 7b | Write a java program to implement thread life cycle | 24/02/23 |
| 7c | Write a java program to implement multithreading. | 24/02/23 |
| 8a | Write a java program to open a file and display the contents in the console window. | 24/02/23 |
| 8b | Write a java program to copy the contents from one file to other file | 24/02/23 |
| 8c | Write a java program to read the student data from user and store it in the file | 24/02/23 |
| 9a | Design an AWT program to print the factorial for an input value | 16/03/23 |
| 9b | Design an AWT program to perform various string operations like reverse string, string concatenation etc. | 16/03/23 |
| 9c | Write a java program to implement exception handling. | 16/03/23 |
| 10a | Design an AWT application that contains the interface to add student information and display the same | 16/03/23 |
| 10b | Design a calculator based on AWT application. |  |
| 10c | Design an AWT application to generate result mark sheet. |  |