**Java Lab Programs**

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| SL No |  |
| 1 | Write a Java program to demonstrate method Overloading by changing the number of arguments and by changing the data type. |
| 2 | Write Java Program to demonstrate Constructor Overloading by creating class Box with properties of Width, Height, Depth and methods to compute and display the volume. |
| 3 | Write a Java Program to display the employee details like employee id, age and Name using the getter and setter Methods. And also illustrate the concept of Encapsulation. |
| 4 | Write a Java Program to   1. Create a Super class called Bicycle with three methods apply brake (), Speedup () and tostring (). 2. Create a sub class called Mountain Bike () and inherit the methods from the base class. 3. Illustrate the Method overriding on tostring() method. |
| 5 | Write a java program to illustrate the following exceptions  i. Arithmetic Exception.  ii. String out of Bound Exception. |
| 6 | Write a Java program in to declare an interface called Bank, where SBI, and PNB inherits these interfaces through class TestInterface2. Calculate the rate of interest of each bank and print the result**.** |
| 7 | Write a program to make a package balance which has account class with display\_balance method in it. Import balance package in another program to access display\_balance method of account class. |
| 8 | Write a JAVA program to create five threads with different priorities. Send two threads of the highest priority to sleep state. Check the aliveness of the threads and mark which is long lasting. |