

## **MUST DO ASSIGNMENTS (HOME-WORK)**

1. Write a method to accept variable no of integers. Method should find sum of all the integers and display the result.
2. Write Employee Class with attributes like employee\_id, name, and salary. Create parameterized constructor to initialize this 3 attributes, and write a method to display this information of 5 objects, display total no of employees using static method, totalEmp(), which will return total no of employees.
3. Write another same Employee class to implement auto-generation of employee\_id.
4. Write a meaningful program to show the use of method overloading.
5. Write a meaningful program to show the use of method overriding.
6. WAP to show all the use of 'this' keyword.
7. WAP to show all the use of 'super' keyword.
8. WAP to show use of 'final' keyword (with variable, with method and with class).
9. WAP to use this and super in an instance method.
10. WAP to use this and super in static method.
11. WAP to show ways to access static variable
12. WAP which contain default constructor, parameterized constructor, one static method, one instance method, one static block and show the execution sequence.
13. WAP with 2 constructor (Default and parameterized), one instance method, one static method and check if final variable is not initialize at the time of declaration so where we can initialize them.
14. Write another program same as above but check final static variable.
15. WAP to show ambiguity in method overloading
16. WAP to overload static method.
17. WAP to override the static method.

18. Write a meaningful program to check the accessibility of all access specifier with variable and method (In package1 - 3 classes (class A,B extends A & C, ), In package 2 – 2 classes ( X extends A & Y)).