

MES College Marampally
Department of Computer Applications
Java Programming – Lab Cycle V

1. Create a class called "Calculator". Write overloaded methods named "**add()**" that can perform addition for two integers, two doubles, and three integers. Test the methods by calling them with appropriate arguments.
2. Write a class called MathUtils that has two methods to calculate the factorial of a number. One method should take a int argument and the other method should take a long argument.
3. Create a class called "TemperatureConverter". Write an overloaded method named "convertToCelsius()" that can convert a temperature from Fahrenheit to Celsius. Overload the method to accept the temperature as either an integer or a double. Test the methods by calling them with appropriate arguments.
4. Create a class called "Circle". Write overloaded methods named "calculateArea()" that can calculate the area of a circle given the radius as a parameter. Overload the method to accept the radius as either an integer or a double. Test the methods by calling them with appropriate arguments.