Object Oriented Programmes

Java oops codes:

1.Code:

public class Main {

public static void main(String[] args) {

Calculator calc = new Calculator();

System.out.println("Sum of two numbers: " + calc.add(5, 10));

System.out.println("Sum of three numbers: " + calc.add(5, 10, 15));

}

}

class Calculator {

int add(int a, int b) {

return a + b;

}

int add(int a, int b, int c) {

return a + b + c;

} }

**Output**:

Sum of two numbers: 15

Sum of three numbers: 30

2.Code:

public class Main {

public static void main(String[] args) {

Shape myShape = new Circle();

myShape.draw();

}

}

abstract class Shape {

abstract void draw();

}

class Circle extends Shape {

void draw() {

System.out.println("Drawing a Circle");

}

}

**Output:**

Drawing a Circle

3.Code:

public class Main {

public static void main(String[] args) {

Trigonometry trig = new Trigonometry();

double angle = 30.0; // Angle in degrees System.out.println("Sine of " + angle + " degrees: " + trig.sin(angle));

}

} class Trigonometry {

double sin(double angle) {

return Math.sin(Math.toRadians(angle));

}

}

Output:

Sine of 30.0 degrees: 0.49999999999999994