POLYMORPHISM

COMPILE TIME POLYMORPHISM :

package JAVA\_CONCEPTS;

import java.util.Scanner;

class MathOperations {

public int add(int a, int b) {

return a + b;

}

public double add(double a, double b) {

return a + b;

}

}

public class CompileTimePolymorphismExample {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter first integer: ");

int num1 = scanner.nextInt();

System.out.print("Enter second integer: ");

int num2 = scanner.nextInt();

System.out.print("Enter first double: ");

double double1 = scanner.nextDouble();

System.out.print("Enter second double: ");

double double2 = scanner.nextDouble();

MathOperations mathOps = new MathOperations();

int sumIntegers = mathOps.add(num1, num2);

System.out.println("Sum of integers: " + sumIntegers);

double sumDoubles = mathOps.add(double1, double2);

System.out.println("Sum of doubles: " + sumDoubles);

scanner.close();

}

}

OUTPUT:

