Calculation

Int a,b,c

calculate(a,b)

calculate(a,b,c)

Interface

sa

Children Classes

Multiply

Calculate(a,b){}

Calculate(a,b,c){}

Add

Calculate(a,b){}

Calculate(a,b,c){}

Subtract

Calculate(a,b){}

Divide

Calculate(a,b){}

Handle divided by 0 exception

Calculate

Take inputs from user

psvmain()

Main Class

- Create an interface Calculation with two methods, calculate(a,b) and calculate(a,b,c). Create separate classes, Add, Subtract, Divide, Multiply which implements the Calculation interface.
- Take user inputs to decide what calculation the user wants: Addition, Subtraction, Multiplication or Division.
- Take user inputs to decide whether they want to do calculations on two numbers or three numbers.
- Based on the user's choice, take user input a,b,c or a,b.
- Create appropriate objects of the relevant class and call the method.
- Print the output on the console.
- For division, handle the exception when the user tries to divide and number by zero, give appropriate messages to the user.