A simple calculator console based app which takes input from user and provides the desired result based on the operations selected by user.

**Code:**

import java.util.Scanner;

interface Methods{

public int addition(int a, int b);

public int substraction(int a, int b);

public double multiplication(double a, double b);

public double division(double a, double b) throws ArithmeticException;

}

class Calucator implements Methods{

@Override

public int addition(int a, int b){

return a+b;

}

@Override

public int substraction(int a, int b){

return a-b;

}

@Override

public double multiplication(double a, double b){

return a\*b;

}

@Override

public double division(double a, double b) throws ArithmeticException{

double ans = 0;

try{

ans = a/b;

}catch(ArithmeticException ex){

System.out.println(" cannot be divisible by zero " +ex.getMessage());

}

return ans;

}

}

public class Main

{

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

System.out.println(" please pic the operation you want");

System.out.println("0: Break");

System.out.println("1: Addition ");

System.out.println("2: Substraction");

System.out.println("3: Division");

System.out.println("4: Multiplication");

Calucator calucator = new Calucator();

int f1 = 0, f2 = 0, ansInt =0;

double f3 = 0, f4 =0, ansDouble = 0;

while(true){

System.out.println("please enter your the operation");

int pick = sc.nextInt();

boolean comeOut = false;

switch(pick){

case 1:

System.out.println(" please enter first value");

f1 = sc.nextInt();

System.out.println(" please enter second value");

f2 = sc.nextInt();

ansInt = calucator.addition(f1, f2);

System.out.println(" Result: "+ ansInt);

break;

case 2:

System.out.println(" please enter first value");

f1 = sc.nextInt();

System.out.println(" please enter second value");

f2 = sc.nextInt();

ansInt = calucator.substraction(f1, f2);

System.out.println(" Result: "+ ansInt);

break;

case 3:

System.out.println(" please enter first value");

f3 = sc.nextDouble();

System.out.println(" please enter second value");

f4 = sc.nextDouble();

ansDouble = calucator.division(f3, f4);

System.out.println(" Result: "+ ansDouble);

break;

case 4:

System.out.println(" please enter first value");

f3 = sc.nextDouble();

System.out.println(" please enter second value");

f4 = sc.nextDouble();

ansDouble = calucator.multiplication(f3, f4);

System.out.println(" Result: "+ ansDouble);

break;

default:

comeOut = true;

break;

}

if(comeOut)return;

}

}

}