**package** practiceProject;

**import** java.util.Scanner;

**public** **class** ArithmeticCalculator {

**public** **int** add(**int** a ,**int** b)

{

**return** a + b;

}

**public** **int** sub(**int** a,**int** b)

{

**return** a - b;

}

**public** **int** mul(**int** a, **int** b)

{

**return** a \* b;

}

**public** **int** div(**int** a,**int** b)

{

**return** a % b;

}

**public** **static** **void** main(String[] args) {

ArithmeticCalculator op = **new** ArithmeticCalculator();

**int** a,b,choice;

@SuppressWarnings("resource")

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter Value of A : ");

a=sc.nextInt();

System.***out***.println("Enter Value of B : ");

b=sc.nextInt();

**char** ch ;

**do** {

System.***out***.println("Arithmetic Operations");

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

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

System.***out***.println("3. Multiplication");

System.***out***.println("4. Division");

System.***out***.println("Please select one of the above no to perform Arithmetic Calculation : ");

choice=sc.nextInt();

**switch**(choice)

{

**case** 1: {

System.***out***.println("Addition of A and B : "+op.add(a,b));

**break**;

}

**case** 2 :{

System.***out***.println("Subtraction of A and B : "+op.sub(a, b));

**break**;

}

**case** 3 :{

System.***out***.println("Multiplication of A and B : "+op.mul(a, b));

**break**;

}

**case** 4 :{

System.***out***.println("Division of A and B : "+op.div(a, b));

**break**;

}

**default** :

{

System.***out***.println("Invalid Choice");

**break**;

}

}

System.***out***.println("\nDo you want to continue (Type y or n) \n");

ch = sc.next().charAt(0);

}

**while** (ch == 'Y'|| ch == 'y');

}

}