**Arithmetic Calculator**

**package** simplecalculator;

**import** java.util.Scanner;

**public** **class** Calci {

**static** **int** *result*;

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

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

**while**(**true**){

System.***out***.println("Enter first number::");

**int** firstNumber = sc.nextInt();

System.***out***.println("Enter second number::");

**int** secondNumber = sc.nextInt();

System.***out***.println("Enter 1, For addition(+)");

System.***out***.println("Enter 2, For subtraction(-)");

System.***out***.println("Enter 3, For multiplication(\*)");

System.***out***.println("Enter 4, For division(/)");

System.***out***.println("Enter 0, To Exit");

System.***out***.println("\nEnter your choice::");

**int** choice = sc.nextInt();

**switch**(choice){

**case** 1: System.***out***.println("Adding the numbers:");

*add*(firstNumber, secondNumber);

**break**;

**case** 2: System.***out***.println("Subtracting the numbers:");

*subtract*(firstNumber, secondNumber);

**break**;

**case** 3: System.***out***.println("Multiplying the numbers:");

*multiply*(firstNumber, secondNumber);

**break**;

**case** 4: System.***out***.println("Dividingthe numbers:");

*divide*(firstNumber, secondNumber);

**break**;

**case** 0: System.***out***.println("Thank you");

System.*exit*(0);

**break**;

**default**: System.***out***.println("Incorrect input!! Please re-enter choice from the menu");

}

}

}

**public** **static** **void** add(**int** num1, **int** num2){ //addition method

*result* = num1+num2;

System.***out***.println("Addition result="+ *result*);

}

**public** **static** **void** subtract(**int** num1, **int** num2){ //subtraction method

*result* = num1-num2;

System.***out***.println("Subtraction result="+ *result*);

}

**public** **static** **void** multiply(**int** num1, **int** num2){ //multiplication method

*result* = num1\*num2;

System.***out***.println("Mul result="+ *result*);

}

**public** **static** **void** divide(**int** num1, **int** num2){ //division method

*result* = num1/num2;

System.***out***.println("Division result="+ *result*);

}

}