Calculator

**import** java.util.Scanner;

**public** **class** cal {

**public** **void** add() {

**int** op;

**float** a,b,c;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a + b;

System.***out***.println("Result of add = "+c);

**return**;

}

**public** **void** sub() {

**int** op;

**float** a,b,c = 0;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a - b;

System.***out***.println("Result of sub = "+c);

**return**;

}

**public** **void** mul() {

**int** op;

**float** a,b,c;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a \* b;

System.***out***.println("Result of mul = "+c);

**return**;

}

**public** **void** div() {

**int** op;

**float** a,b,c;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a / b;

System.***out***.println("Result of div = "+c);

**return**;

}

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

cal z = **new** cal();

**int** y=0;

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

**do** {

System.***out***.println(" 1.Add \n 2.Sub \n 3.mul \n 4.div \n 5.exit");

System.***out***.println("choose your number");

y = s.nextInt();

**switch**(y) {

**case** 1:

z.add();

System.***out***.println("-----------------------");

**break**;

**case** 2:

z.sub();

System.***out***.println("-----------------------");

**break**;

**case** 3:

z.mul();

System.***out***.println("-----------------------");

**break**;

**case** 4:

z.div();

System.***out***.println("-----------------------");

**break**;

**case** 5:

System.***out***.println("exit");

**break**;

}

}**while**(y!=5);

}

}

Test Cases

**import** java.util.Scanner;

**public** **class** cal {

**public** **void** add() {

**int** op;

**float** a,b,c;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a + b;

System.***out***.println("Result of add = "+c);

**return**;

}

**public** **void** sub() {

**int** op;

**float** a,b,c = 0;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a - b;

System.***out***.println("Result of sub = "+c);

**return**;

}

**public** **void** mul() {

**int** op;

**float** a,b,c;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a \* b;

System.***out***.println("Result of mul = "+c);

**return**;

}

**public** **void** div() {

**int** op;

**float** a,b,c;

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

System.***out***.println("enter two numbers");

a = s.nextFloat();

b = s.nextFloat();

c = a / b;

System.***out***.println("Result of div = "+c);

**return**;

}

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

cal z = **new** cal();

**int** y=0;

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

**do** {

System.***out***.println(" 1.Add \n 2.Sub \n 3.mul \n 4.div \n 5.exit");

System.***out***.println("choose your number");

y = s.nextInt();

**switch**(y) {

**case** 1:

z.add();

System.***out***.println("-----------------------");

**break**;

**case** 2:

z.sub();

System.***out***.println("-----------------------");

**break**;

**case** 3:

z.mul();

System.***out***.println("-----------------------");

**break**;

**case** 4:

z.div();

System.***out***.println("-----------------------");

**break**;

**case** 5:

System.***out***.println("exit");

**break**;

}

}**while**(y!=5);

}

}

