PROGRAM 3

import java.util.Scanner;

abstract class Calculate{

double x,y,result;

abstract void calc();

}

class Addition extends Calculate{

void calc(){

System.out.println("Enter two numbers x and y for addition : ");

Scanner SS = new Scanner(System.in);

x = SS.nextDouble();

y = SS.nextDouble();

result = x + y;

System.out.println("Addition of " + x + " and "+ y + " is : " + result);

}

Addition(){}

}

class Subtraction extends Calculate{

void calc(){

System.out.println("Enter two numbers x and y for subtraction : ");

Scanner SS = new Scanner(System.in);

x = SS.nextDouble();

y = SS.nextDouble();

result = x - y;

System.out.println("Subtraction of " + x + " and "+ y + " is : " + result);

}

Subtraction(){}

}

class Multiplication extends Calculate{

void calc(){

System.out.println("Enter two numbers x and y for multiplication : ");

Scanner SS = new Scanner(System.in);

x = SS.nextDouble();

y = SS.nextDouble();

result = x \* y;

System.out.println("Multiplication of " + x + " and "+ y + " is : " + result);

}

Multiplication(){}

}

class Division extends Calculate{

void calc(){

System.out.println("Enter two numbers x and y for dividion : ");

Scanner SS = new Scanner(System.in);

x = SS.nextDouble();

y = SS.nextDouble();

result = x / y;

System.out.println("Division of " + x + " and "+ y + " is : " + result);

}

Division(){}

}

class Three1{

public static void main(String XX[]){

Addition A = new Addition();

A.calc();

Subtraction S = new Subtraction();

S.calc();

Multiplication M = new Multiplication();

M.calc();

Division D = new Division();

D.calc();

}

}

