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PROGRAM 3

QUESTION: Create a library for operations like sum, difference multiplication and division of 2

numbers. Use appropriate concept of Java support and demonstrate the same.

CODE:

1. Sum\_Difference.java

package Pack1;

public class Sum\_Difference{

public void sum(int a,int b)

{

System.out.println("Sum of the two numbers is: "+(a+b));

}

public void diff(int a, int b)

{

System.out.println("Difference of the two numbers is: "+(a-b));

}

}

1. Multiply\_Divide.java

package Pack2;

public class Multiply\_Divide{

public void multiplication(int a,int b)

{

System.out.println("Product of the two numbers is: "+(a\*b));

}

public void division(int a, int b)

{

double d=(a/b);

System.out.println(""+a+" Divided by "+b+" gives : "+d);

}

}

1. Lab3.java

import Pack1.\*;

import Pack2.\*;

import java.util.Scanner;

class Lab3{

public static void main(String[] args){

Scanner sc=new Scanner(System.in);

int a,b;

System.out.println("Enter any two numbers: ");

a=sc.nextInt();

b=sc.nextInt();

Pack1.Sum\_Difference obj1=new Pack1.Sum\_Difference();

Pack2.Multiply\_Divide obj2=new Pack2.Multiply\_Divide();

obj1.sum(a,b);

obj1.diff(a,b);

obj2.multiplication(a,b);

obj2.division(a,b);

}

}

OUTPUT:

