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**Batch:MCA B**

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**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment:.18**

**Aim**

Create an Arithmetic package that has classes and interfaces for the 4 basic arithmetic

operations. Test the package by implementing all operations on two given numbers.

**Procedure**

Package\_operation.java

Package Arithmetic;

interface interface\_operation

{

public int add(intx, int y);

public int sub(int x,int y);

public int mult(int x,int y);

public int div(int x, int y);

}

public class package\_operation implements interface\_operation{

public int add(int x, int y){

return x+y;

}

public int sub(int x, int y){

return x-y;

}

public int mult(int x, int y){

return x\*y;

}

public int div(int x, int y){

return x/y;

}

}

main\_opeartion

import Arithmetic.\*;

public class main\_operation {

public static void main(String []args){

package\_operation testObj = new package\_operation();

System.out.println("Addition="+testObj.add(6,4));

System.out.println("Substraction="+testObj.sub(10,6));

System.out.println("Multiplication="+testObj.mult(2,1));

System.out.println("Division="+testObj.div(10,2));

}

}

**Output Screenshot**

