**JAVA LAB MST WORKSHEET**

**Student Name:- Neha Sharma UID:- 20BCS4576**

**Branch:- CSE-IOT Section/Group:-A**

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**Subject Name:- Java lab**

**Question no. 7**

**Code:-**

**import java.util.Scanner;**

**class nums{**

**int num1 , num2;**

**public int display(int a , int b){**

**num1=a;**

**num2 =b;**

**return a+b;**

**}**

**}**

**class sub extends nums{**

**public int display(int a , int b){**

**num1 = a;**

**num2 = b;**

**return a-b;**

**}**

**}**

**class mult extends nums{**

**public int display(int a , int b){**

**num1 =a;**

**num2 =b;**

**return a\*b;**

**}**

**}**

**public class mcq {**

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

**boolean loop = true;**

**do {**

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

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

**System.out.println("Enter 1 to add two numbers:");**

**System.out.println("enter 2 to subtract two numbers:");**

**System.out.println("enter 3 to multiply two numbers:");**

**System.out.println("enter 4 to exit");**

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

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

**switch (x) {**

**case 1:**

**nums obj1 = new nums();**

**System.out.println("the sum is:");**

**System.out.println(obj1.display(5, 6));**

**break;**

**case 2:**

**sub obj2 = new sub();**

**System.out.println("result :");**

**System.out.println(obj2.display(6, 5));**

**break;**

**case 3:**

**mult obj3 = new mult();**

**System.out.println("the product is:");**

**System.out.println(obj3.display(6, 5));**

**break;**

**case 4:**

**loop = false;**

**break;**

**}**

**} while(loop);**

**}**

**}**

**OUTPUT:-**



