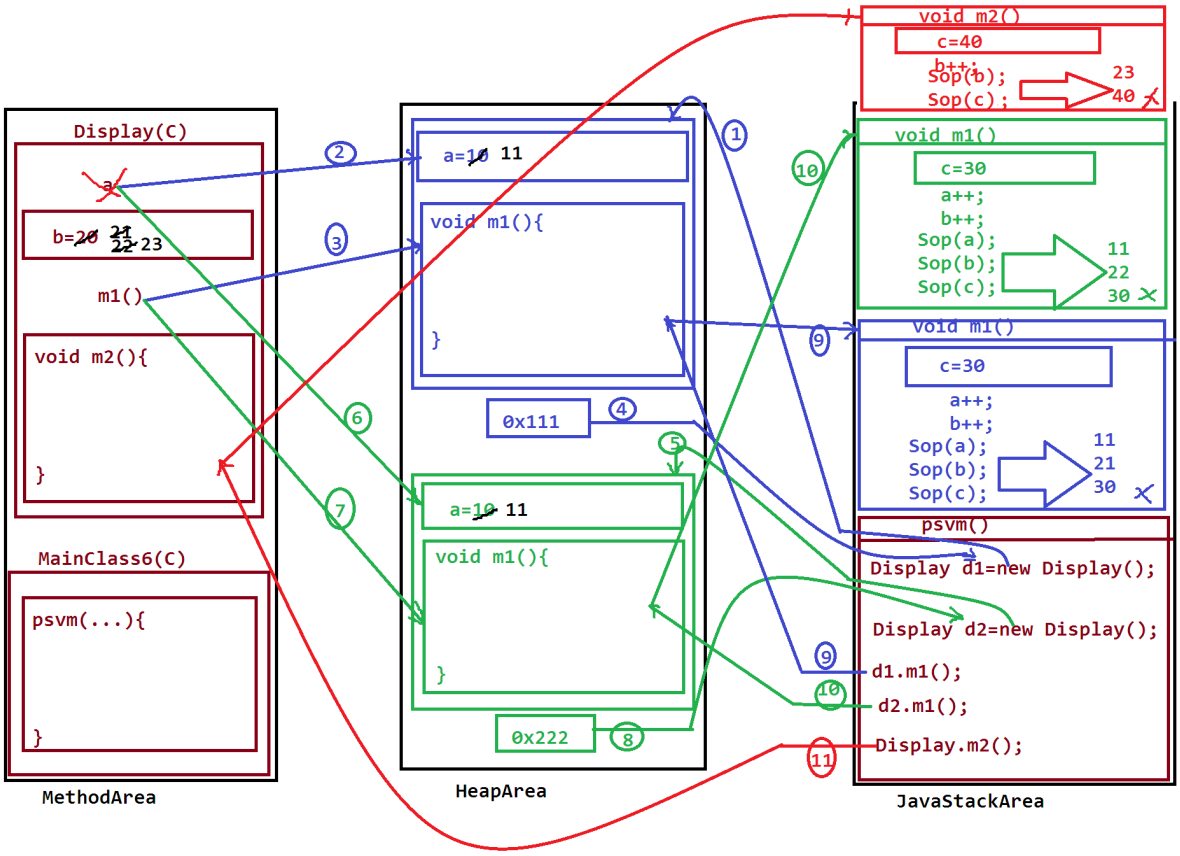
Dt : 8/12/2020

Execution flow of above program:(MainClass6.java)

ClassFiles:

Display.class

MainClass6.class



Exp program:

wap to read two int values and perform arithmetic operation based on User choice?

```
import java.util.Scanner;

class Addition //SubClass

{

        int add(int x,int y)
```

```
        {
                return x+y;
        }
}
class Subtraction //SubClass
{
        int sub(int x,int y)
        {
                return x-y;
        }
}
class Multiplication //SubClass
{
        int mul(int x,int y)
        {
                return x*y;
        }
}
class Division //SubClass
{
        float div(int x,int y)
        {
                return (float)x/y;
        }
}
```

```
class ModDivision //SubClass
{
	int modDiv(int x,int y)
	{
		return x%y;
	}
}
class MainClass7 //MainClass
{
	public static void main(String[] args)
	{
Scanner s = new Scanner(System.in);
System.out.println("Enter the int value1:");
int v1 = s.nextInt();
System.out.println("Enter the int value2:");
int v2 = s.nextInt();
System.out.println("====Choice====");
System.out.println("1.add\n2.sub\n3.mul\n4.div\n5.modDiv");
System.out.println("Enter the choice:");
int choice = s.nextInt();
    switch(choice)
		{
		  case 1:
Addition ad = new Addition();
System.out.println("Sum:"+ad.add(v1,v2));
```

```
                        break;
                case 2:
Subtraction sb = new Subtraction();
System.out.println("Sub:"+sb.sub(v1,v2));
                        break;
                case 3:
Multiplication ml = new Multiplication();
System.out.println("Mul:"+ml.mul(v1,v2));
                        break;
                case 4:
Division dv = new Division();
System.out.println("Div:"+dv.div(v1,v2));
                        break;
                case 5:
ModDivision md = new ModDivision();
System.out.println("ModDiv:"+md.modDiv(v1,v2));
                        break;
                default:
System.out.println("Invalid choice...");
                }//end od switch
        }
}
```