Practical 13

Aim : Write a program for calculator to accept an expression as a string in which the operands and operator are separated by zero or more spaces.

For ex: 3+4 and 3 + 4 are acceptable expressions

Code :

```
import java.util.*;


class Practical13
{
	public static void main(String args[])
	{

	String i=args[0].replaceAll(" ","");
	i=i.replaceAll("[+]","#+#");
	i=i.replaceAll("[-]","#-#");
	i=i.replaceAll("[*]","#*#");
	i=i.replaceAll("[/]","#/#");

	args= i.split("#");

	if(args.length!=3)
	{
	System.out.println("Wrong input!!");
	System.exit(0);
	}

	int ans= 0;

	switch(args[1].charAt(0))
	{
```

```
        case'+':ans=Integer.parseInt(args[0])+ Integer.parseInt(args[2]);
                break;

        case'-':ans=Integer.parseInt(args[0])-Integer.parseInt(args[2]);
                break;

        case'*':ans = Integer.parseInt(args[0])*Integer.parseInt(args[2]);
                break;

        case'/':ans = Integer.parseInt(args[0])/Integer.parseInt(args[2]);
                break;
        }
        System.out.println(args[0]+" "+args[1]+" "+args[2]+" = "+ans);
        }
}
```

Output :