slip11

```
class s11q1 {

   public static void main(String[] args) {

      if (args.length < 3) {


System.out.println("Usage: java MenuDrivenCalculator <operation> <num1> <num2>");

         System.out.println("Operations: 1 for Addition, 2 for Subtraction, 3 for
Multiplication, 4 for Division");

         return;

      }


      int operation = Integer.parseInt(args[0]);

      double num1 = Double.parseDouble(args[1]);

      double num2 = Double.parseDouble(args[2]);


      switch (operation) {

         case 1:

            double sum = num1 + num2;

            System.out.println("Addition: " + num1 + " + " + num2 + " = " + sum);

            break;

         case 2:

            double difference = num1 - num2;

            System.out.println("Subtraction: " + num1 + " - " + num2 + " = " + difference);

            break;

         case 3:

            double product = num1 * num2;
```

```
            System.out.println("Multiplication: " + num1 + " * " + num2 + " = " + product);
            break;
        case 4:
            if (num2 != 0) {
                double quotient = num1 / num2;
                System.out.println("Division: " + num1 + " / " + num2 + " = " + quotient);
            } else {
                System.out.println("Error: Division by zero is not allowed.");
            }
            break;
        default:
            System.out.println("Invalid operation. Please enter 1 for Addition, 2 for Subtraction, 3 for Multiplication, or 4 for Division.");
    }
  }
}
```

```
class s11q1 {
  public static void main(String[] args) {
    if (args.length < 3) {

System.out.println("Usage: java MenuDrivenCalculator <operation> <num1> <num2>");
        System.out.println("Operations: 1 for Addition, 2 for Subtraction, 3 for Multiplication, 4 for Division");
```

```
    return;
}

int operation = Integer.parseInt(args[0]);
double num1 = Double.parseDouble(args[1]);
double num2 = Double.parseDouble(args[2]);

switch (operation) {
    case 1:
        double sum = num1 + num2;
        System.out.println("Addition: " + num1 + " + " + num2 + " = " + sum);
        break;
    case 2:
        double difference = num1 - num2;
        System.out.println("Subtraction: " + num1 + " - " + num2 + " = " + difference);
        break;
    case 3:
        double product = num1 * num2;
        System.out.println("Multiplication: " + num1 + " * " + num2 + " = " + product);
        break;
    case 4:
        if (num2 != 0) {
            double quotient = num1 / num2;
            System.out.println("Division: " + num1 + " / " + num2 + " = " + quotient);
        } else {
            System.out.println("Error: Division by zero is not allowed.");
```

```
            }
            break;
        default:
            System.out.println("Invalid operation. Please enter 1 for Addition, 2 for Subtraction, 3 for Multiplication, or 4 for Division.");
    }
  }
}
<html>
  <body>
    <applet code="LampApplet.class" width="400" height="400"></applet>
  </body>
</html>
```

```
tuple1=(1,2,3,4)
tuple2=(3,5,2,1)
tuple3=(2,2,3,1)

ele=tuple(a+b+c for a,b,c,in zip(tuple1,tuple2,tuple3))

print("element wise sum=",ele)
```

```
import tkinter as tk
```

```
def changebg(color):
    root.configure(bg=color)

root=tk.Tk()
root.title("change bg color")
root.geometry("400x300")

menubar=tk.Menu(root)

colormenu=tk.Menu(menubar,tearoff=0)
menubar.add_cascade(label="colors",menu=colormenu)

colors = {
    "Red": "red",
    "Green": "green",
    "Blue": "blue",
    "Yellow": "yellow",
    "White": "white",
    "Black": "black"
}

for colorname,colorval in colors.items():
    colormenu.add_command(label=colorname, command=lambda color=colorval:
changebg(color))

root.config(menu=menubar)
root.mainloop()
```