TASK1:

```
Bloaters(Long Method)
  1.God Class
-eki classs e sob kaj kora hoise
2. Bloaters(priminitive obsession):
  only double type a and b.
3.(Dispensables)Dead Code:
       // never reach
     throw new Error();
       In both class
4. Extra Comment:
       // never reach
TASK2:
Calculator.java er calculateBilmpl() and calculateMono() method e if-else chains ache
every operation er jonno sep condition check korte
new operation korte existing code modify korte hobe
Violated Principle: Open/Closed Principle (OCP)
Strategy Design Pattren;
Violated Principle: Open/Closed Principle (OCP)
it violates open closed principle that to add a
suppose i want to add a new operation like: minus and then *5
i have to modify the existing code
   public enum MonoOperatorModes {
     square, squareRoot, oneDividedBy, cos, sin, tan, log, rate, abs, In, minusthen multiply5
  }
if (mode.equals(BiOperatorModes.minusthenmultiply5)) {
       return (num1 - num2)*5;
     }
```

Violated Principle: (SRP)

solution:

create separate interface for the operations:

**Strategy Design Pattern and Factory DP:

interface: OperationStrategy.java

Mono op classes: Square.java , SquareRoot.java , oneDividedBy.java , cosineOperation.java ,sin.java, tan.java, log.java, rate.java, abs.java, In.java

Bi: normalOp.java, add.java, minus.java, multiply.java, divide.java , xpowerofy.java

Calculator.java (main class)

TASK3:

Task 3:

Add a new class MorethenOneOperation;