In-class Exercise

```
abstract class Expression
{
  public abstract int result(); //equivalent to pure virtual

}
class Operand extends Expression
{
  int value;
  public int result(){ return value;}
  Operand(int v){
    value = v;
  }
}
class Subtraction extends AE
{
  public int result() {
    return left.result() – right.result();
  }

  Subtraction(Expression left, Expression right){
     super(left, right);
  }
}
```

```
class AE extends Expression
{
  protectedExpression left;
  protectedExpression right;
  public abstract int result();
  AE(Expression l, Expression r){
     left = l;
     right = r;
  }
}
```

8 x 9 + 1 x 6;

new Addition(new Multiply(new Operand(8),new Operand(9)),new Multiply(new Operand(1), new Operand(6))).result()

8x(9+1)x6;

new Multiply(new Multiply(new Addition(new Operand(9),new Operand(1)),new Operand(6)),new Operand(8)).result()