課題の Java プログラム

```java
class Number {
  private int num;
  Number(int n) {
    num = n;
  }
  public int getNum() {
    return num;
  }
  public void setNum(int n) {
    num = n;
  }
  public int square() {
    return num * num;
  }
}

class Sum {
  private Number x;
  private Number[] array;
  Sum() {
    array = new Number[3];
  }
  public void setX(Number n) {
    x = n;
  }
  public Number getX() {
    return x;
  }
  public void setArray(int i, Number n) {
    array[i] = n;
  }
  public Number getArray(int i) {
    return array[i];
  }

  public void showSquareX() {
    System.out.printf("x の 2 乗は：%d\n",
        x.square());
  }
  public int sumSquareArray() {
    int result, i;
    result = 0;
    for(i=0; i<3; i++) {
      result = result
          + array[i].square();
    }
    return result;
  }
}

class NumberMain {
  public static void main(String[] args) {
    Sum s1 = new Sum();
    Number n1 = new Number(4);
    Number n2 = new Number(2);
    Number n3 = new Number(3);
    Number n4 = new Number(6);
    s1.setX(n4);
    s1.setArray(0, n1);
    s1.setArray(1, n2);
    s1.setArray(2, n3);

    s1.showSquareX();

    System.out.printf(
        "array の 2 乗の合計は：%d\n",
        s1.sumSquareArray());
  }
}
```