

Power

■ Input

- ☐ val ... value, e.g., 2
- ☐ exp ... exponent, e.g., 8

■ Output

- ☐ val^{exp}, e.g., 2⁸= 256

Implement and test two different versions given on slide 23.

Test thoroughly, e.g., negative numbers. Adapt solution if necessary.

Compare the two version for efficiency, e.g.:

```
long lStartTime = System.currentTimeMillis();
for (int i = 0; i < n; i++) {
    doSth(...);
}
long lEndTime = System.currentTimeMillis();
long t = lEndTime - lStartTime;
```

Prime Numbers, Leap Year, Fuel

Reorganize the previous examples to have your solutions nicely structured with packages, classes and methods.